



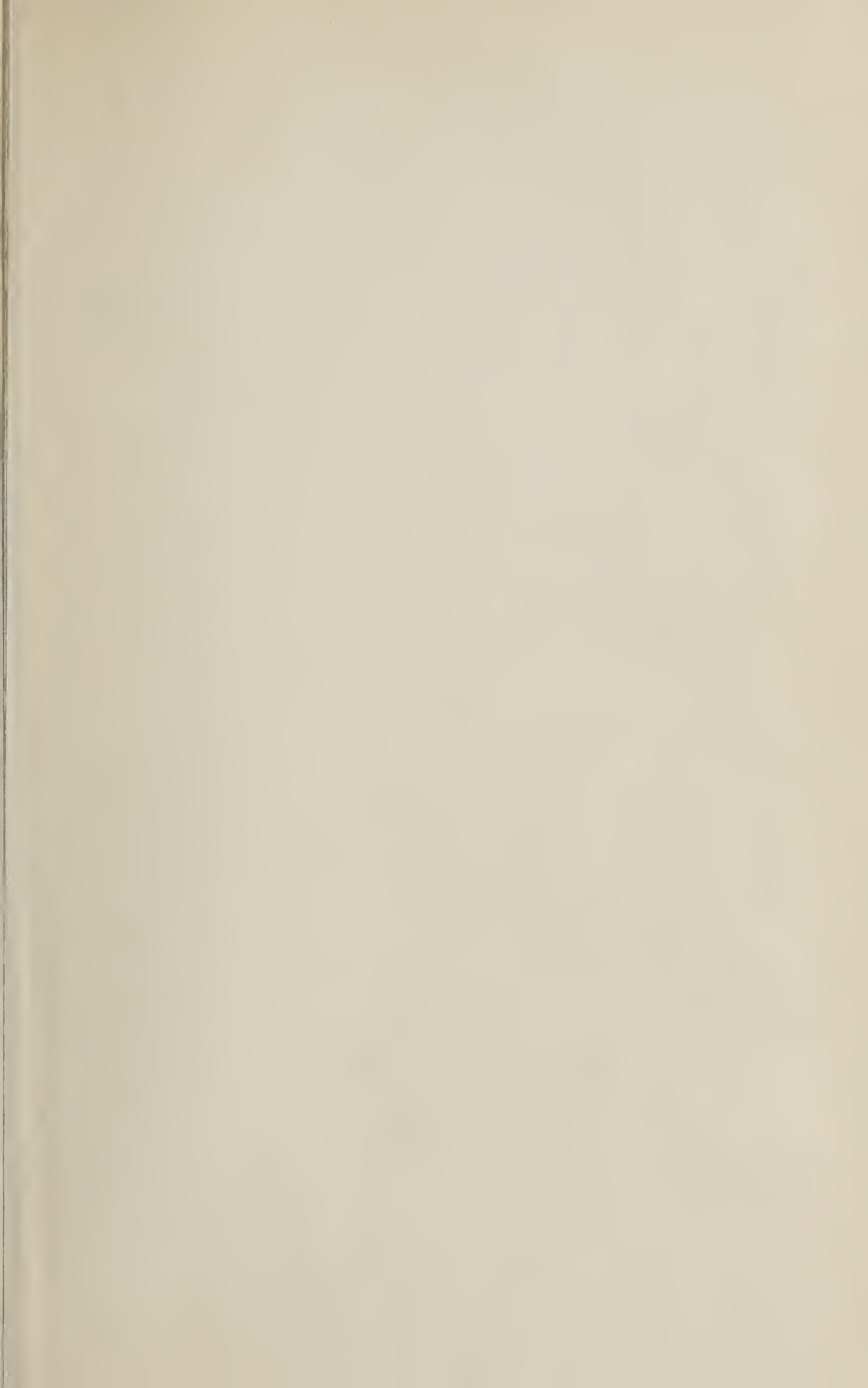






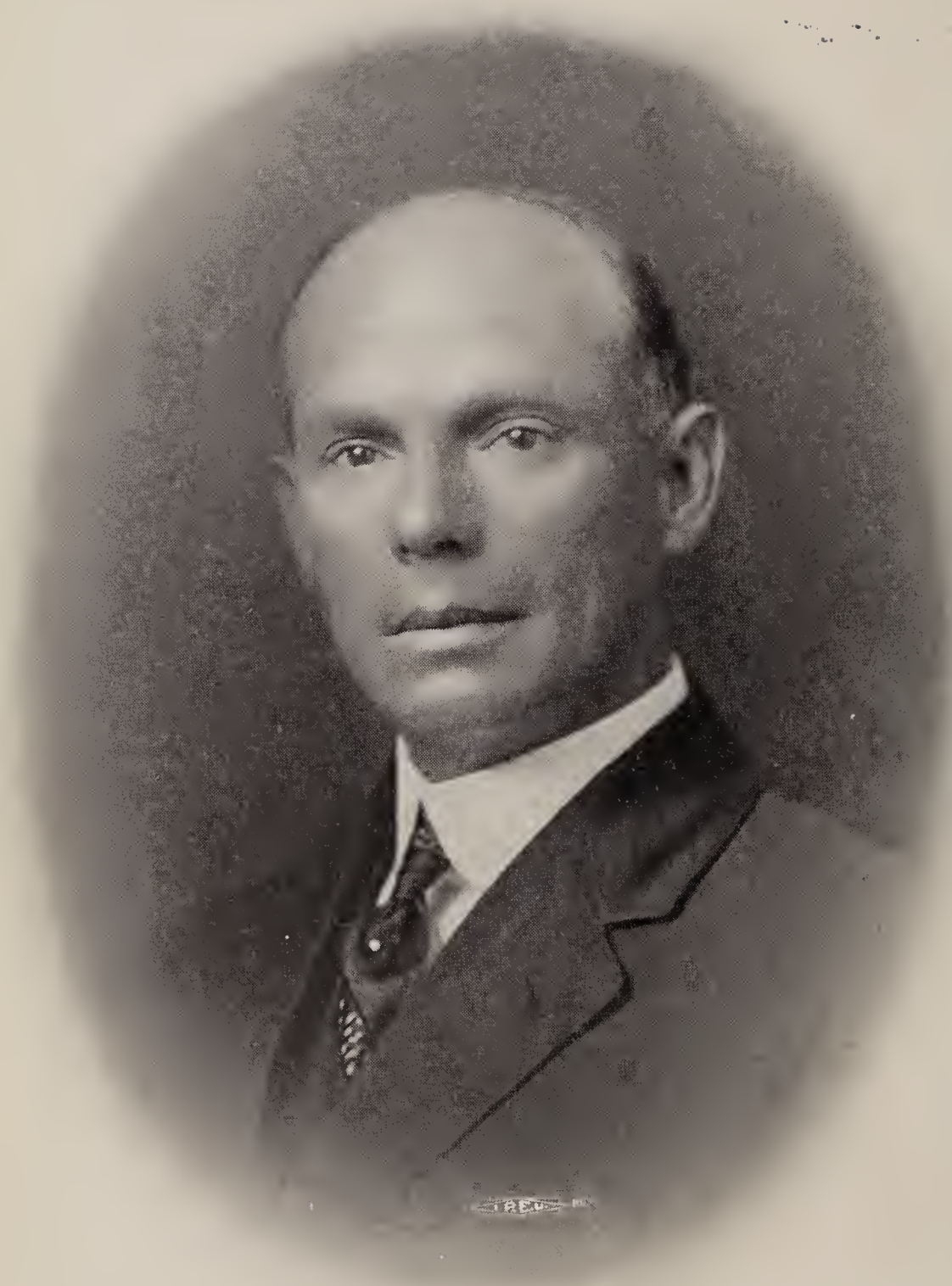


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HON. TIMOTHY W. GOOD

Mayor 1914-1915

Cambridge, Massachusetts

City of Cambridge  
Massachusetts

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THE  
ANNUAL REPORTS

Made to the City Council

FOR THE

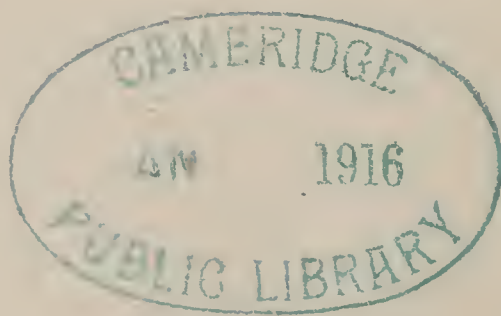
Year Ending March 31, 1914



PUBLISHED BY ORDER OF THE CITY COUNCIL  
UNDER THE DIRECTION OF THE  
CITY CLERK



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INAUGURAL ADDRESS  
OF  
HON. TIMOTHY W. GOOD

APRIL 6, 1914

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*Gentlemen of the City Council:—*

As the chosen representatives of the people of Cambridge, we assemble here today, and solemnly under oath, agree to give to the City our best service; unbiased, and free from political influence.

While chosen as partisans, the task now devolves upon us to govern our entire city as agents of all the people, and our every act should be consistent with good citizenship. The various problems confronting us should be met fairly and squarely, and upon all questions we should be more eager to serve the people as a whole, rather than any individual or party.

We are facing a crisis in financial affairs, and only by the strictest economy will we be able to meet those necessary obligations imposed upon us both morally and by law. In order to fully acquaint you with the various problems which confront us, I will first submit to your consideration a statement of our financial condition:

FINANCE

In considering the most important and, I might say, the only part of our administration which will afford in future years a basis for comparison with other administrations, we are, at the very beginning of the year, handicapped by being obliged to face the most serious financial situation that has ever confronted a Cambridge City Government.

The Legislature of 1913 made it necessary for the government

inaugurated today to practically revolutionize former methods of financial procedure, and took away from cities and towns in the Commonwealth the right to expend public money in a manner which for the past twenty years had been considered not only legitimate, but also in conformity with the principles of sound municipal finance. Therefore you can see that we, as members of a new City Government, in the first year when this new condition of affairs must be met, have an important problem presented to us, since we must adjust ourselves to changed requirements which former governments did not have to consider. Let us then evolve a sound policy which will serve as a guide for future City Governments.

Although we might feel that an entire readjustment of our financial requirements was of sufficient importance to command our undivided attention, the citizens of Cambridge and the Legislature of 1913 have seen fit to put upon the present City Government additional financial problems which demand our most careful consideration if we wish to have them properly adjusted.

Confronted as we are, at the beginning of our financial year, with the double burden thus placed upon us, there is one thing that we must keep in mind, and that is the oath which we have just taken, "*to faithfully and impartially administer all matters pertaining to the City of Cambridge to the best of our judgment and belief.*"

Feeling absolutely sure of your co-operation in a determination to require a full return to the citizens of Cambridge for every dollar expended, I ask you to join me in a demand that every city official, whether his authority be legislative, commissionary, departmental, or executive, keep his department up to this standard.

I do not feel that an Act of the Legislature, or an appropriation of the City Council giving a department the right to expend a fixed amount, should be so construed that such department shall necessarily expend to the limit the sum therein specified. In fact, the departments best administered are those which live within their appropriations, rather than those that find it necessary to ask for additional appropriations, except for emergencies. To assure them that this fact has been recognized by experts in municipal finance, I beg to call the attention of all heads of departments to the new law governing such cases as contained in Section 16, Chapter 719, Acts of 1913, under which we must work during the coming year.

That you may clearly understand some of the financial questions which we shall have to meet in the next twelve months, and with which

former City Governments did not have to contend, I would call your attention to the following new liabilities which have accrued since April 1st, 1913:—

|  |          | Tax Rate<br>Increase over<br>1913 about |
|--|----------|---|
| School Teachers Salary, Increase, calling for<br>about .....                             | \$65,000 | \$ .65                                  |
| School Teachers, Pensions, calling for about..   | 12,000   | .12                                     |
| School Teachers' Salary Increase, acct. 1913,<br>bond and interest .....                 | 7,200    | .07                                     |
| Mothers' Pension for 1914, about .....   | 45,000   | .45                                     |
| Difference between Sinking Funds and Serial<br>Bonds .....                               | 30,000   | .30                                     |
| Increase in State and Metropolitan Tax and de-<br>crease in Corporation Tax, about ..... | 25,000   | .25                                     |
| Care of Emergencies for 1913, not in 1913 tax<br>levy .....                              | 16,000   | .16                                     |
| Total .....  |          | <hr/> \$2.00                            |

From these figures, even limiting our departments to the same amount as expended last year, it will readily be seen that we are facing an increase of \$2.00 in our tax rate; and that the Assessors will be able to discover an amount of new property sufficient to offset much more than one-half of this increase is hardly to be expected. Therefore, it behooves us as members of the 1914 City Government to so regulate our expenditures that Cambridge will not lose even a part of the advantage she has gained in the past few years as a city attractive to new business and new industries.

It is interesting to note the comparative figures of the net valuations as of December 31st, for the past five years:—

|            |               |
|------------|---------------|
| 1909 ..... | \$106,660,171 |
| 1910 ..... | 110,820,788   |
| 1911 ..... | 110,457,287   |
| 1912 ..... | 115,203,296   |
| 1913 ..... | 120,574,198   |



Our borrowing capacity for this year is computed from the net average valuations of the past three years as follows:—

| Years       | Total values  | Abatements  | Net values    |
|-------------|---------------|-------------|---------------|
| 1911 .....  | \$112,170,356 | \$1,713,069 | \$110,457,287 |
| 1912 .....  | 117,348,836   | 2,145,540   | 115,203,296   |
| 1913 .....  | 121,993,690   | 1,419,492   | 120,574,198   |
|             | <hr/>         | <hr/>       | <hr/>         |
| Total ..... | \$351,512,882 | \$5,278,101 | \$346,234,781 |

From the foregoing figures the fact is disclosed that the borrowing capacity of our city for the coming year will be about \$325,000—a decrease as compared with last year of \$60,000.

From April 1st, 1914, to March 31st, 1915, Municipal Bonds amounting to \$189,050, and Water Bonds amounting to \$18,000, will mature.

With a net debt of approximately \$6,000,000, and the value of property owned by the city in excess of \$12,000,000, the city is solvent by an amount so substantial that it should be a source of deep gratification to every taxpayer and citizen.

That the city's financial condition is considered eminently satisfactory by investors is amply attested by the fact that our bonds have been sold readily and at a lower rate of interest than those of any city or town in the Commonwealth, and in addition have yielded a premium.

The growth and expansion of our city demand additional fire, police and additional educational facilities, while the amounts expended for street cleaning and collection of garbage, and enforcement of proper health regulations, must be materially increased. In view of this fact, great care should be exercised in the promulgation of new projects.

The temptation to advocate improvements is great, but their cost to the city must always be given deep consideration, lest the resultant burden upon the taxpayer be made too great, thereby producing a reaction, the effect of which will be deterrent rather than progressive.

Therefore, I recommend to your honorable body that before legislating upon matters of this kind you carefully study the financial situation, with a view of ascertaining whether the requests of departments are timely and essential to the welfare of our citizens.

I shall see to it that departmental activities are not misdirected,

but are prosecuted with a proper zeal for the common good, and the strict accountability for every dollar expended.

## THE INDUSTRIAL SITUATION

During the past few years Cambridge has made remarkable progress in development along industrial lines.

Industrial development is being recognized by many of the cities of the country as a necessary adjunct to every municipality. It is unnecessary to speak of the great value that the advent of new industries brings to a city, and it is especially important that every care should be taken to encourage permanency of location in those industries already here. Not only do these industries add to our taxable columns, thereby adding to our revenue, but further they give employment to our people, producing contentment and happiness, and greatly enhance the reputation of our municipality. And it is quite evident that our real estate values are greatly increased, since homes must be provided for the employees of these industries.

It is very gratifying to note that in the last three years our taxable columns have increased over twelve million dollars, representing a gain of over 33 per cent.

The increase in payrolls has been over three and one-half million dollars, or 40 per cent.; while the gain in the number of employees has been about 6,000, or nearly 40 per cent. increase.

I think that it is needless for me to say that it is very desirable from every point of view that we extend the hand of welcome and assistance to all industries of a high class, and co-operation on our part will have the effect of making Cambridge one of the great industrial centers of New England, particularly in view of our excellent facilities with regard to location, transportation, spur tracks, and numerous other advantages. I desire to impress upon you the necessity of arranging for improved street construction in the manufacturing districts, in order to facilitate accessibility and the handling of products.

We should also co-operate in the installation of proper spur track accommodations, thereby increasing the value of our land, and lending further assistance in the way of expediting business. A particular study of this question should be made with respect to the entire area of land east of Brookline street, from Green street to the Cottage Farm Bridge, as I feel that this district will be wholly given over to manu-



facturing sites within the next few years. Great care should also be taken in the character of industries allowed to locate in this section, and if any establishment already existing proves to be a nuisance, immediate steps should be taken to have this condition remedied.

I would strongly recommend that Vassar street and Rogers street be put in proper condition at the earliest practicable date, so that it will clear the way for further development in this vicinity, and inure to the advantage of this section of the city as well.

It gives me pleasure, in the name of the city of Cambridge, to publicly thank the members of the Industrial Commission for their successful efforts in making Cambridge a great industrial center, and it will be my pleasure to co-operate in every way possible with this body, in strengthening the reputation of our city as one of the leading industrial centers of New England.

Cambridge has an area of over eight million square feet of land which is available for manufacturing purposes, and the necessity for co-operation along these lines must be apparent to all.

## CHARTER REVISION

While opposed to recently suggested charter changes, I am not unmindful of the fact that there is room for vast improvement in the conduct of our affairs, and I am not opposed to, rather do I recommend, consolidation of departments, provided it is effected by City Council ordinances, and then only in the event of a *saving being shown* by such consolidation.

I also urge the adoption of an ordinance creating the office of a purchasing agent, as I firmly believe that by the creation of such a department the city would be in a position to make all purchases upon a wholesale, instead of a retail basis, as at present, thereby saving a large amount of money annually. As a member of the National Accounting Officers' Association, I have made a general investigation of this subject, and have visited several large cities in the United States, and the result of my observation shows that, with a proper system and with a *trained official* in charge, a purchasing department makes a net saving of about 5 per cent. This amount saved upon supplies would not only pay all expenses incurred by said department, but also, as an added advantage, would result in greater efficiency, and be productive of a large saving to the taxpayers.

## ELECTION OFFICERS

It is most desirable that the conduct of elections should be accurate, and that returns should be reliable.

So much depends on the competency of election officers that I am satisfied that particular attention should be directed to the appointment of such officers, and I recommend the passage of legislation to provide for their appointment by the City Clerk, and the performance of their duties should be placed under his supervision and control.

## RAPID TRANSIT

Owing to the rapidly increasing number of passengers using our new subway, and the poor service afforded Cambridge residents, I feel that, with a view to future requirements, provision should be made for the extension of subway train service to Porter Square and Mt. Auburn Bridge. This can be accomplished, however, only by legislative authority, and I urge your Committee on Rapid Transit to seriously consider this matter, to the end that such a plan may be effected. I further suggest that preliminary steps be taken with a view to having a subway constructed from Harvard Square through East Cambridge, to connect with the new Viaduct. However, regarding both of these projects, I feel that the co-operation of the Boston Elevated Railway Company should be sought, as it would be manifestly unfair to place any unjust burden upon this company at the present time. In addition, I believe that conditions at present in Harvard Square demand an immediate change, and I suggest that the Dudley street line run from North Cambridge through Harvard Square, and the Huron avenue line run on the surface to Central Square. I would further suggest that the express service out of the subway be arranged from the surface rather than below. I am of the opinion that this plan would materially relieve present congestion in the Harvard Square terminus, and thereby bring about a revival of business in this section of the city.

## NO-LICENSE

The question of no-license is one that should be given serious thought by the City Government, and I sincerely trust that the Board of Aldermen, when granting sixth-class liquor licenses to druggists, and also the express privilege to individuals, will carefully consider



the applicants, adopt strict regulations for the sale and transportation of liquor, and, when licenses are granted, the police force should see that the terms contained therein are strictly observed. The question, to my mind, is of sufficient gravity to warrant the Board of Aldermen in giving a public hearing on the matter before determining its policy relative thereto for the ensuing year.

I believe the time for granting licenses of all kinds should be changed from May first to July first, in order to give the Committee on Licenses more time to consider the numerous applications which come before them. There are about fifteen hundred persons, firms or corporations licensed to do business of various kinds in Cambridge each year, and, as these licenses expire on May first, it is impossible to renew these licenses until long after they expire.

### BUILDING CONSTRUCTION

Cambridge leads the country for 1913 in the increase in building operations over 1912. With a total of \$6,603,240, there has been an increase of 125 per cent. Unfortunately for Cambridge, with its large tax burden, the total of this increase and more has been in untaxable property. Harvard College alone had a total of \$4,000,000 in building operations the past year, which is more than one-half of the entire value in the city.

The building operations planned for this year thus far, compared with the corresponding period of last year, show a considerable increase in the total amount. With the building operations beginning on the Technology "White City," the apparent decrease for this year will be easily eliminated. It is estimated that the total cost of the Technology group will reach \$7,500,000, and as planned a major portion of this work will have been started this year.

It is hoped that the presence of Technology on the river front will spur on to activity the owners of land on the southerly side of Massachusetts avenue, so that this large and available tract will be developed this year; otherwise, from present indications, Cambridge will suffer a material reduction in its building operations available for taxation.

### CLAY PIT PROBLEM

The proper treatment of our various clay pits is an important question, and should be given serious consideration by the City Coun-



cil. Having before us the experience of past City Governments which have dealt with this subject only to make an unprofitable bargain, we should proceed most carefully lest we do an injustice to the taxpayers. The remedies I would suggest are as follows:—

First. To seek legislation compelling owners to fill in these pits.

Secondly. To use them, with the permission of the owners, as dumping places,—a process which is slow, unhealthy, and rather unsatisfactory, and which, therefore, does not appeal very strongly to my judgment.

Thirdly. In view of the vast amount of water annually going to waste at Stony Brook, and of the future necessity for a larger water supply, we might, if equitable arrangements could be made with the owners, incorporate these areas as auxiliary storage basins in connection with our water supply, thus serving the needs of our population, and at the same time beautifying a locality which is at present unsightly, dangerous and unhealthy.

## MUNICIPAL LIGHTING

Owing to the unreasonable restrictions placed upon cities and towns by former Legislatures, a Municipal Lighting Plant is possible only through the purchase of the existing plant at a figure which would be exorbitant. Therefore, I believe legislation should be sought which would allow Cambridge either to purchase electricity through competition or allow us to build our own plant, as I feel that better service at a lower cost could thereby be provided.

## NEW FIRE ALARM EQUIPMENT

The question of procuring a new fire alarm equipment has been before the City Council for several years, and during the past year has been studied most thoroughly. Experts were employed by the city to determine whether this equipment was necessary; specifications were approved by the National Board of Fire Underwriters, and bids were received for the installation of a new system. An expert was then instructed to ascertain from the bids and specifications which of the two bids should be accepted, but through some misunderstanding the City Council failed to make an appropriation allowing the acceptance of either bid. The new fire station at Inman Square has been completed, and space has been reserved on its upper story for the

installation of a new fire alarm equipment. An appropriation of \$25,000 will be necessary for this purpose, and I urgently recommend immediate action on the part of your honorable body, to the end that our present inefficient fire alarm system may be replaced by an equipment that will be entirely adequate. In this connection, I wish to call your attention to the desirability of making a beginning in underground construction for the city's wires. Ducts are now available for about three-quarters of our wires, and to place underground all wires on streets where ducts are located will cost from \$40,000 to \$50,000. I, therefore, recommend that we begin with an appropriation of \$5,000 this year, and a similar appropriation during each succeeding year until the work under consideration is completed.

### PUBLIC SAFETY

Our police and fire forces, while showing great improvement under the Commissioner of Public Safety, still leave much to be desired. Constant bickerings and petty jealousies impair the efficiency of both forces, and I intend to stand firmly back of the Commissioner in any reforms he may undertake in this direction.

Our ordinances and laws must be enforced, without regard to political consequences, and I look for great improvement during the year in this direction. I wish to commend the Commissioner of Public Safety for the position he has taken relative to the regulation of dance halls, and I feel that the work of the Inspector is in the interest of morality, and should be continued unremittingly.

It is my belief that some disposition should be made of the Central Square Building, either by tearing it down and erecting a new building on the present site, or by selling the land and building, and constructing a Central Police Headquarters on less expensive or city-owned land. This building should be utilized as a headquarters for the Commissioner of Public Safety, and in addition should contain a Branch Public Library and Reading Room, a Wardroom, and a public swimming pool and indoor gymnasium, together with accommodations for the Overseers of the Poor and the Registrars of Voters.

### PARKS AND PLAYGROUNDS

Our city is today fairly well provided with playground facilities, with the possible exception of Wards Eight and Ten. I would suggest that the large area of land in the rear of the Public Library be



utilized as a breathing spot for this section of the city, and that land adjacent to the river front, near Flagg Street, be purchased as a playground for that part of Ward Eight. I would also recommend that land be provided in Ward Ten for playground purposes. With these recommendations adopted, I feel that an adequate number of playgrounds would be available for our younger generation.

I am not opposed to the taking over of our river parkway by the Commonwealth, with the understanding, however, that they assume outstanding Park Bonds now covering this area.

## STREET DEPARTMENT

One of the most important considerations in this department is the repaving of Massachusetts Avenue from Porter's Bridge northerly. Although about 22,000 square yards of this street was paved only seven years ago, its condition today is such that an entire new surface is necessary. I would recommend, therefore, that the plan of covering this surface with a two-inch top be adopted this year, as further temporary repairs are of no avail. A portion of Binney Street and streets in the newer manufacturing districts might well be considered for permanent construction.

The disposal of refuse is fast reaching a serious situation, as dumping places are becoming fewer and more difficult of access. It is quite evident that some radical change must be effected in the method of collection and disposing of all solid material. The question of providing for this should receive the immediate attention of the City Council. Two plans are now under discussion and will be presented early in the year. I am of the opinion that the interests of economy would be served by the gradual introduction of motor-driven apparatus in this division of the department.

The condition of the bridge on Walden Street over the railroad tracks is such at the present time that a new structure must be substituted, and I would recommend that this be one of the first considerations of the year. An effort should be made to have the Fitchburg Railroad bear the expense of the project.

I should also recommend the continuation of the policy of the permanent paving of our main thoroughfares to such an extent as the financial condition of the city will warrant during the coming year.

Under the new municipal finance law now operative, the city can again borrow funds for the construction of new streets, and such of

these streets as are now ready for acceptance and construction should be considered, as immediate development would cause an increase in taxable values.

## WATER DEPARTMENT

While the principle of lower rates to large consumers may be well applied by corporations engaged in business for a profit, it seems unjust that a corporation of mutual welfare, such as a city, should discriminate against our small consumers of metered water, and I urge a uniform charge for metered water, regardless of the amount or purpose for which it is used.

## A LIVING WAGE

Our aim should be to decrease expenses, and thus we would be enabled to pay our laborers a living wage of \$2.50 per day. Statistics compiled for the State of New York upon this subject demonstrate the fact that the average family of five persons requires at least \$2.40 per day in order to subsist, and, as the voters have accepted the acts of the Legislature allowing increased salaries to our teachers, and to our police and fire departments, I feel that every effort made on behalf of our laborers for the payment to them of a living wage will meet with the approbation of our citizenship.

## CITY COUNCIL EXPENSES

While I approve of any legitimate expense incurred by the City Government in connection with committee work, I deplore the fact that in the past this privilege has been grossly abused, and I strongly condemn the reckless expenditure of public money by members of the City Council, for either lunches or automobiles, and I trust that the Presidents of both branches will issue a warning to the various committee chairmen against this practice, as I will positively refuse to approve any bill for these items, unless the expense should be occasioned by the performance of the legitimate committee work.



## HEALTH DEPARTMENT

I feel that the prevention of epidemics similar to those of the last two years might have been accomplished had proper provision been made for the inspection of milk at the source of supply.

I am credibly informed that, owing to the stringent rules adopted by neighboring cities, infected milk cannot be sold within their borders; and, in many cases, milk condemned by these cities is shipped to Cambridge and delivered to her residents. Such a deplorable condition, endangering as it does the health of our population, must cease, and in the interest of public health I urge the appointment of a Dairy Inspector, whose duty would be the inspection of all out-of-town dairies supplying milk to Cambridge. The expense would be small, while the benefits would be incalculable.

The collection of garbage, especially during the summer season, should, I think, be carried on at night; and more attention should be paid to the separation of waste paper and other materials from ashes. At the present time the city is saving about six thousand dollars each year by disposing of waste material under contract, and every effort should be made to co-operate with the contractor by delivering all waste paper at the two incinerators instead of having it carried with our ashes to the dumps, thus causing unnecessary fires, and attendant annoyance to residents in the locality. I should like to see some arrangement made with the Boston Elevated Railway Company whereby our ashes could be deposited at certain points with short hauls, and then carried by the company at night to the various dumping grounds in freight cars prepared for the purpose.

## CITY HOSPITAL

Our most pressing need today is the erection of a City Hospital, and I urge that this work be prosecuted with vigor, since the public should be given the immediate advantage of the many benefits which will accrue therefrom.

I suggest also that the Hospital Trustees, acting in conjunction with the Board of Health, devise a plan whereby the building now used as a contagious hospital may be abandoned and subsequently destroyed. The location of this hospital at its present site has retarded the development of real estate in this section, and I look for great improvement in taxable values in this vicinity if the suggestion is adopted.

## ASSESSING DEPARTMENT

The work of the Assessing Department should commend itself to all thinking citizens. The increased values in both real and personal property the past two years speak volumes for the ability and earnestness of the present board.

My experience prompts me to say that the longer a man serves in this department the more valuable an asset he becomes to the city, and, in order that there may be no suspicion of political favoritism in the conduct of this office, I recommend legislation providing that the tenure of office be changed from a three-year term to an indefinite period, with provisions for removal from office by the Mayor and Aldermen, on charges duly proven, and also with the proviso that any vacancy be filled at the next succeeding general election.

I also find that a scientific adjustment of land values would add greatly to our taxable real estate, and result in more equitable assessments in every section of the city. To accomplish this would necessitate an appropriation of money, which I believe we would be justified in making, in view of the obvious advantages which would result therefrom.

I also suggest that a committee of the City Council confer with the Board of Assessors and the Cambridge Real Estate Exchanges relative to the proper methods to be pursued in this important matter.

## SCHOOL DEPARTMENT

The administrative and educational departments of our Public Schools are very satisfactorily discharging their duties, and we note with pleasure the vast improvement which has been shown in our school system during the past two years.

The teachers are now on an equal standing with teachers in the most progressive educational centers. An adequate pension fund has been provided, and a living wage has been secured.

We have now five open-air schools equal to any in the country; also an immigration class, and classes for those pupils who need special and individual teaching.

To my mind a most important subject for consideration in the immediate future is the improvement in health and education of our people's children here in Cambridge. Statistics show that more than one-half of our public school children are defective physically in some



form. Most of these defects can be remedied and consequent diseases prevented, in my opinion, by the exercise of prudent care and forethought, when properly suggested to parents by the examining physicians at our Elementary Schools. The fact that the sickly and backward child and others are continuously absent from school on a doctor's certificate, by reason of general ill-health, should urge us to provide school conditions suitable to advancement in health, and thereby not deny, as in the past, an opportunity for education to this class of future citizens. The struggle for life and education should go side by side. We have the growing children under our care to educate during school life, and it is incumbent upon us that we should see that our children at maturity are physically, as well as mentally, fit to enter the walks of life well fortified for desirable citizenship. The "ounce of prevention" is the crying need of today; the pound of cure should be a thing of the past.

The "*open-air class*" and "*fresh air health room*" for defectives under medical supervision for the promotion and maintenance of physical good health, should be our "ounce of prevention." Let us take the initiative and start in our public schools the beginning of a general movement for better physical manhood, and thereby greater prosperity for future economy.

The schools have been regraded and the course of study revised; and as a result the teachers and pupils are happy and are doing superior work.

Classes have been formed for the restless boy and the boy who feels that he must leave school before graduation. These are known as prevocational classes. The direct result of the work in these classes is the lessening of truancy. The boys; moreover, are contented, and in nearly every case are being held for graduation, with every indication of success. Not one boy has been sent away to a truant school during the year, which speaks volumes for the diplomacy and rare tact of our Superintendent of Schools.

A trade school for girls has been opened, and the percentage of attendance has been already doubled.

Our evening schools have been a marked success. Every effort has been made to give the citizens of Cambridge all of the advantages which can possibly be secured from evening classes. As a result of a reorganization which has brought about remarkable improvement in our system, the attendance in every case has been doubled, and in some instances trebled.

A new schoolhouse in the Mt. Auburn district was authorized last year, and will be ready for occupancy in September. I recommend the erection of a new school building in place of the present Agassiz School, as I feel that any attempt to alter the present structure would be a useless expenditure of money.

In the legislative department of our schools, however, I am of the opinion that the conduct of our School Committee does not meet with the entire approbation of any voter, regardless of his or her political affiliations.

Events of the past two years warrant me in saying that an increase in the membership of the School Committee to either nine or eleven members would be beneficial to our schools and our city; for, as you know, any committee of five is generally controlled by three, who as a rule are dominated by one, and this vicious system is not in harmony with modern methods, and is certainly detrimental to the welfare of our schools.

I trust that the Legislative Committee of the City Council will investigate this matter, and suggest an order providing for a Committee of nine or eleven members, allowing two members from each district and either three or five at large, and also incorporate a provision that three members shall be women, as I feel that the mothers of children should be better represented upon this important Board.

I also feel that more intimate relations should exist between the School Committee and the City Council, and that these two branches of our government should make a harmonious effort to reduce rather than increase the expenses of our schools.

I strongly condemn the attitude of the School Board, who by their arbitrary action aided in bringing about the issuance of a writ of mandamus by the Supreme Court of our Commonwealth, the effect of which compelled the city to issue bonds to pay the increase in teachers' salaries, when by a little co-operation an unjust burden of \$28,000 might have been saved the taxpayers. The city officials always felt, and subsequent events have proven the wisdom of their judgment, that the School Committee could have contributed at least \$15,000 estimated surplus toward meeting this increase. This amount, with approximately \$6000 revenue due from the State, would have left but \$7000 to raise, which the City Council could have provided, and thereby have relieved the taxpayers of an unwisely contracted debt which at maturity will have amounted to \$36,000. While I favor



liberal appropriations for our schools, and heartily endorse the teachers' salary increase, I feel that the citizens should know how our school funds are handled; and while the School Committee has the right to expend an amount *not exceeding* five dollars and fifty cents for each thousand of taxable property, its aim should be not to reach the limit allowed by law, but by practical economy to endeavor to conduct our schools, during the coming year, with an appropriation of five dollars and thirty cents, which I honestly believe is possible, without sacrificing our high educational standards.

### SOURCES OF ADDITIONAL REVENUE

We should encourage legislation toward having the State reimburse the city for taxes lost upon a portion of the exempted property of educational institutions. With our small area, the burden placed upon the taxpayers is a hardship, and every effort should be made to remedy this condition.

I also feel that Middlesex County should pay a tax upon the county buildings, thus compelling other cities and towns within the county to contribute their share toward the payment of a debt incurred by them in common with our municipality.

That the city should obtain a greater revenue from license fees is apparent to all who have given the subject serious thought, and I recommend that a committee of the City Council be appointed to make a study of this subject, since I believe that additional money should be received from this source.

The question of charging a fee for the use or opening of streets, for issuance of building permits, inspection of wires and plumbing, and for areas under sidewalks, should be carefully considered, because I feel that Cambridge has been lax in not receiving remuneration for these privileges, which entail considerable expenditure of time and money, without corresponding revenue.

In the matter of public hearings, where such hearings are held upon request, or in the special interest of a petitioner, the necessary expense of giving notice should, I think, be borne by the petitioner.

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*Gentlemen of the City Council:—*

Sound business policy demands that we administer wisely, and that we study carefully the needs of our population with a view of planning for future betterment when and where needed.

You men are given the great power of legislation; you are to make the laws that shape our policy; and since the direct primary has placed our government in the hands of the people let us by our every act justify the confidence which the people of Cambridge have reposed in us.

And, in closing, I know of no better sentiment that I can express than that contained in the words of Woodrow Wilson, which may well serve as our guide:—

“Wherever any public business is transacted, wherever plans affecting the public are laid, or enterprises touching the public welfare, comfort or convenience go forward—wherever political programs are formulated or candidates agreed on,—over that place a voice must speak, with the divine prerogative of a people’s will, the words: “Let there be light.”

And so, my friends, let us remember that those who strictly adhere to this principle of our beloved President are the ones who will deserve commendation and merit further reward at the hands of their fellow citizens.

# ANNUAL REPORTS



# Annual Report of the City Auditor

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City Auditor's Office,

April 1, 1914.

*To the Honorable, the City Council:—*

The undersigned herewith presents a statement of the receipts and payments of the City of Cambridge for the year beginning on the first day of April, 1913, and ending on the thirty-first day of March, 1914.

The first part of this report is devoted to an exhibit arranged upon the Schedules for Uniform Municipal Accounting as issued by the Bureau of Statistics of the Commonwealth of Massachusetts. Following these schedules are presented detailed statements arranged in the same order, together with the usual matters given in the Auditor's report, including a schedule of the city property.

Respectfully submitted,

CHARLES H. THURSTON,

*City Auditor.*

REPORT OF CITY AUDITOR  
FOR THE YEAR ENDING MARCH 31, 1914

SCHEDULE A—I

RECEIPTS AND PAYMENTS OF THE FISCAL YEAR

Consolidated Statement

|  |                |
|--|----------------|
| Cash balance at the beginning of the year..... | \$90,334 27    |
| Actual payments* during the year.....          | \$3,805,209 86 |
| Actual receipts* during the year.....          | 3,725,942 33   |
|  | <hr/>          |
| Excess of payments .....                       | 79,267 53      |
|  | <hr/>          |
|  | \$11,066 74    |

\*Omitting temporary accounts.



## SCHEDULE A—II

## General Exhibit of Receipts and Payments of the Fiscal Year

|  | Receipts       | Payments       |
|--|----------------|----------------|
| Revenue Accounts (Operation and Maintenance) .....                             | \$2,905,816 18 | \$3,063,561 64 |
| Non-Revenue Accounts (Construction, etc.) .....                                | 494,266 70     | 416,712 43     |
| Agency Transactions .....  | 325,859 45     | 324,935 79     |
| TOTAL ACTUAL CASH TRANSACTIONS OF THE YEAR (omitting temporary accounts) ..... | \$3,725,942 33 | \$3,805,209 86 |
| Temporary Loans .....  | 400,000 00     | 400,000 00     |
| Redemption of Debt from Sinking Funds .....                                    | 60,000 00      | 60,000 00      |
|  | \$4,185,942 33 | \$4,265,209 86 |

## Actual Financial Result of the Operation and Maintenance of the City for the Year

|   |                |
|---|----------------|
| Revenue Receipts, as above, from taxation and other sources, not including money borrowed ..... | \$2,905,816 18 |
| Revenue Payments, as above, for operation and maintenance (running expenses) .....              | 3,063,561 64   |
| Excess of Revenue Payments for the year .....   | \$157,745 46   |
| Excess of Non-Revenue Receipts .....  | \$77,554 27    |
| Excess of Agency Transactions .....   | 923 66         |
|   | 78,477 93      |
| Excess of Payments .....  | \$79,267 53    |

## SCHEDULE A—III

## RECEIPTS

Fiscal Year Ending March 31, 1914

## REVENUE

## General

## I. Taxes:

|   |                |
|---|----------------|
| 1. Property .....   | \$2,082,985 14 |
| 2. Poll .....   |                |
| 3. Corporation .....  | 155,484 51     |
| 4. Street Railway (exclusive of B. E. Ry.'s excise tax) ..... | 57,260 12      |
| 5. Bank .....   | 16,968 65      |

## II. Licenses and Permits:

## a. Licenses:

|                    |          |
|--------------------|----------|
| 1. Liquor .....    | 50 25    |
| 2. All Other ..... | 3,138 50 |

## b. Permits:

|                   |          |
|-------------------|----------|
| 1. Marriage ..... | 1,467 00 |
|-------------------|----------|

## III. Fines and Forfeits:

|                |          |
|----------------|----------|
| 1. Court ..... | 4,825 17 |
|----------------|----------|

## IV. Grants and Gifts:

## a. Grants from State for Education:

|                                    |          |
|------------------------------------|----------|
| 1. Aid to Industrial Schools ..... | 1,075 44 |
|------------------------------------|----------|

## b. Grants from State:

|                       |          |
|-----------------------|----------|
| 1. For Armories ..... | 1,200 00 |
|-----------------------|----------|

## c. Grants from County:

|                                      |          |
|--------------------------------------|----------|
| 1. Dog Licenses, for Libraries ..... | 3,961 52 |
|--------------------------------------|----------|

## Gifts from Individuals:

## a. For Outlays:

|                       |          |
|-----------------------|----------|
| 1. For Expenses ..... | 1,000 00 |
| 2. For Outlays .....  | 1,505 00 |

## V. All Other General Revenue .....

2 50

## Commercial

## VI. Special Assessments:

## a. To meet expenses for:

|                             |           |
|-----------------------------|-----------|
| 1. Street Sprinkling .....  | 33,865 80 |
| 2. Moth Extermination ..... | 1,811 91  |
| 3. Sewers .....             | 8,073 37  |

## b. To meet outlays for:

|                                |           |
|--------------------------------|-----------|
| 1. Sidewalks and Curbing ..... | 12,376 87 |
|--------------------------------|-----------|

## VII. Privileges:

|                         |           |
|-------------------------|-----------|
| 1. Public Service ..... | 13,689 33 |
|-------------------------|-----------|

## VIII. Departmental:

|   |           |
|---|-----------|
| 1. General Government .....                 | 5,563 24  |
| 2. Protection of Persons and Property ..... | 1,646 99  |
| 3. Health and Sanitation .....              | 34,144 21 |
| 4. Highways .....                           | 3,526 97  |
| 5. Charities .....                          | 8,920 67  |
| 6. Soldiers' Benefits .....                 | 12,809 00 |
| 7. Education .....                          | 7,454 79  |
| 8. Libraries .....                          | 1,011 38  |
| 9. Recreation .....                         | 2,114 93  |
| 10. Unclassified .....                      | 2,400 00  |

## IX. Public Service Enterprises:

|                        |            |
|------------------------|------------|
| 1. Water .....         | 383,309 23 |
| 2. Miscellaneous ..... | 15,147 20  |
| 3. All Other .....     | 6 09       |

Amount carried forward ..... \$2,878,795 78



## Schedule A-III—Continued

## PAYMENTS

Fiscal year ending March 31, 1914

## Maintenance

## I. Departmental:

|   |              |
|---|--------------|
| 1. General Government .....                 | \$127,275 28 |
| 2. Protection of Persons and Property ..... | 406,120 38   |
| 3. Health and Sanitation .....              | 269,988 34   |
| 4. Highways .....                           | 259,510 31   |
| 5. Charities .....                          | 76,859 82    |
| 6. Soldiers' Benefits .....                 | 27,816 00    |
| 7. Education .....                          | 605,681 58   |
| 8. Libraries .....                          | 30,901 54    |
| 9. Recreation .....                         | 74,270 81    |
| 10. Unclassified .....                      | 11,161 19    |

## II. Public Service Enterprises:

|                |            |
|----------------|------------|
| 1. Water ..... | 124,096 82 |
|----------------|------------|

|                       |           |
|-----------------------|-----------|
| III. Cemeteries ..... | 18,505 58 |
|-----------------------|-----------|

## IV. Administration of Trust Funds .....

## V. Interest:

|  |            |
|--|------------|
| 1. Loans in Anticipation of Taxes .....        | 7,432 77   |
| 2. Loans for General Purposes .....            | 324,777 84 |
| 3. Trust Funds Used .....                      | 1,500 00   |
| 4. Loans for Public Service Enterprises .....  | 110,810 96 |
| 5. Loans for Cemeteries .....                  | 2,860 00   |
| 6. Metropolitan Interest Requirements          |            |
| a. Sewer .....                                 | 50,807 26  |
| b. Park .....                                  | 55,543 45  |
| 7. State Assessment, Grade Crossing Loan ..... | 80 00      |

## Outlays

## I. Departmental:

|   |            |
|---|------------|
| 1. General Government .....                 |            |
| 2. Protection of Persons and Property ..... | 58,948 09  |
| 3. Health and Sanitation .....              | 50,916 85  |
| 4. Highways .....                           | 210,395 62 |
| 5. Charities .....                          |            |
| 6. Soldiers' Benefits .....                 |            |
| 7. Education .....                          | 871 79     |
| 8. Libraries .....                          |            |
| 9. Recreation .....                         | 48,191 15  |
| 10. Unclassified .....                      |            |

## II. Public Service Enterprises:

|                |           |
|----------------|-----------|
| 1. Water ..... | 47,388 93 |
|----------------|-----------|

## III. Cemeteries .....

## VI. Municipal Indebtedness:

|  |            |
|--|------------|
| 1. Loans in Anticipation of Taxes .....                    | 400,000 00 |
| 2. Bonds and Notes from Sinking Funds .....                |            |
| a. General .....   | 10,000 00  |
| b. Public Service Enterprises .....                        | 50,000 00  |
| 3. Bonds and notes from Revenue .....                      |            |
| a. General .....   | 2,000 00   |
| b. Public Service Enterprises .....                        | 16,500 00  |
| 4. Metropolitan Sinking Fund Requirements .....            |            |
| a. Sewer .....   | 27,328 90  |
| b. Park .....  | 15,685 29  |
| 5. State Assessment for Abolition of Grade Crossings ..... | 2,000 00   |

Amount carried forward ..... \$3,526,226 55

## Schedule A-III—Continued

## RECEIPTS

Fiscal Year Ending March 31, 1914

Amount brought forward ..... \$2,878,795 78

## Commercial—Concluded

|   |           |
|---|-----------|
| X. Cemeteries .....                     | 14,898 39 |
| XI. Administration of Trust Funds ..... |           |
| XII. Interest .....                     | 27,003 88 |

## Offset to Outlays

## I. Departmental:

|   |          |
|---|----------|
| 1. General Government .....                 |          |
| 2. Protection of Persons and Property ..... |          |
| 3. Health and Sanitation .....              |          |
| 4. Highways .....                           | 1,734 35 |
| 5. Charities .....                          |          |
| 6. Soldiers' Benefits .....                 |          |
| 7. Education .....                          | 9,246 00 |
| 8. Libraries .....                          |          |
| 9. Recreation .....                         |          |
| 10. Unclassified .....                      |          |

## II. Public Service Enterprises:

|                |           |
|----------------|-----------|
| 1. Water ..... | 10,202 18 |
|----------------|-----------|

## III. Cemeteries .....

## Municipal Indebtedness

|   |            |
|---|------------|
| 1. Temporary Loans .....                      | 400,000 00 |
| 2. Loans for General Purposes .....           | 408,000 00 |
| 3. Loans for Public Service Enterprises ..... | 50,000 00  |
| 4. Premiums .....                             | 202 30     |

|                          |           |
|--------------------------|-----------|
| From Sinking Funds ..... | 60,000 00 |
|--------------------------|-----------|

## Agency, Trust and Investment Transactions

## I. Agency:

|  |            |
|--|------------|
| 1. Taxes:  |            |
| a. State .....   | 210,320 00 |
| b. Non-resident Bank .....                               | 4 235 16   |
| c. County .....  | 106,103 33 |
| 2. Liquor Licenses Collected for the State .....         | 16 75      |
| 3. Reimbursements for Abolition of Grade Crossings ..... | 541 12     |

## II. Trust:

|   |          |
|---|----------|
| 1. Perpetual Care Funds .....             | 3,957 25 |
| 2. Private Trust Funds and Accounts ..... |          |
| a. Protested Taxes and Assessments .....  | 685 84   |

|                      |                |
|----------------------|----------------|
| Total Receipts ..... | \$4,185,942 33 |
|----------------------|----------------|

## Schedule A-III—Continued

## PAYMENTS

Fiscal year ending March 31, 1914

Amount brought forward ..... \$3,526,226 55

## VII. To Sinking Funds

1. From Revenue ..... 414,047 52

## VIII. Agency, Trust and Investment Transactions

## I. Agency:

## 1. Taxes:

|                                   |            |
|-----------------------------------|------------|
| a. State .....                    | 210,320 00 |
| b. Non-resident Bank .....        | 4,235 16   |
| c. County .....                   | 106,103 33 |
| 2. Liquor Licenses to State ..... | 16 75      |

## II. Trust:

|  |          |
|--|----------|
| 1. Perpetual Care Funds .....                | 3,957 25 |
| 2. Private Trust Funds and Accounts .....    |          |
| a. Return of Protested Taxes and Assessments | 303 30   |

Total payments ..... \$4,265,209 86

Schedule A-III—Concluded

RECAPITULATION—PAYMENTS

|   |             |    |
|---|-------------|----|
| Current Charges against Revenue:                |             |    |
| Maintenance and Interest .....                  | \$2,585,999 | 93 |
| Debt .....                                      | 63,514      | 19 |
| Sinking Funds .....                             | 414,047     | 52 |
| Outlays .....                                   | 416,712     | 43 |
| Debt from Sinking Funds .....                   | 60,000      | 00 |
| Temporary Loans .....                           | 400,000     | 00 |
| Agency, Trust and Investment Transactions ..... | 324,935     | 79 |
| <hr/>   |             |    |
| Total Payments .....                            | \$4,265,209 | 86 |
| Balance on hand, end of year .....              | 11,066      | 74 |
| <hr/>   |             |    |
| GRAND TOTAL .....                               | \$4,276,276 | 60 |

## Schedule A-III—Concluded

## RECAPITULATION—RECEIPTS

## Revenue:

|   |                |
|---|----------------|
| For Current Charges .....                       | \$2,905,816 18 |
| For Outlays .....                               | 14,881 87      |
| Offsets to Outlays .....                        | 21,182 53      |
| Municipal Indebtedness .....                    | 858,202 30     |
| From Sinking Funds .....                        | 60,000 00      |
| Agency, Trust and Investment Transactions ..... | 325,859 45     |
| <hr/>   |                |
| Total Receipts .....                            | \$4,185,942 33 |
| Balance on hand, beginning of year .....        | 90,334 27      |
| <hr/>   |                |
| GRAND TOTAL .....                               | \$4,276,276 60 |



## SCHEDULE A—IV

## RECEIPTS

| SOURCES OF RECEIPTS  | Revenue<br>for<br>Expenses | Revenue<br>for<br>Outlays | Total          |
|--|----------------------------|---------------------------|----------------|
| <b>GENERAL REVENUE</b>   |                            |                           |                |
| <b>1. TAXES</b>  |                            |                           |                |
| Current year:  |                            |                           |                |
| 1. Property .....  | \$1,876,049 78             |                           |                |
| 2. Poll .....  |                            |                           |                |
| Previous years:  |                            |                           |                |
| 3. Property .....  | 206,935 36                 |                           |                |
| 4. Poll .....  |                            |                           |                |
| From the State:  |                            |                           |                |
| 5. Corporation .....   | 155,484 51                 |                           |                |
| 6. Street Railway (exclusive of<br>Boston Elevated excise tax).... | 57,260 12                  |                           |                |
| 7. Bank .....  | 16,968 65                  |                           |                |
| Total from Taxes .....   | \$2,312,698 42             |                           | \$2,312,698 42 |
| <b>2. LICENSES AND PERMITS</b>                                     |                            |                           |                |
| Licenses:  |                            |                           |                |
| 8. Liquor .....  | \$50 25                    |                           |                |
| 9. All other .....   | 3,138 50                   |                           |                |
| Permits: .....   |                            |                           |                |
| 10. Marriage .....   | 1,467 00                   |                           |                |
| 11. All other .....  |                            |                           |                |
| Total from Licenses and Permits                                    | \$4,655 75                 |                           | 4,655 75       |
| <b>3. FINES AND FORFEITS</b>                                       |                            |                           |                |
| 12. Court .....  | \$4,825 17                 |                           |                |
| 13. Department Penalties .....                                     |                            |                           |                |
| 14. Contract Violations .....                                      |                            |                           |                |
| Total from Fines and Forfeits...                                   | \$4,825 17                 |                           | 4,825 17       |
| Total forward .....  |                            |                           | \$2,322,179 34 |

## Schedule A-IV—Continued

## RECEIPTS

| SOURCES OF RECEIPTS  | Revenue<br>for<br>Expenses | Revenue<br>for<br>Outlays | Total          |
|--|----------------------------|---------------------------|----------------|
| Total forward .....  |                            |                           | \$2,322,179 34 |
| 4. GRANTS AND GIFTS  |                            |                           |                |
| Grants from Other Civil Divisions:                               |                            |                           |                |
| 15. From State, for Education.....                               |                            |                           |                |
| a. Support of Public Schools..                                   |                            |                           |                |
| b. Aid to High Schools.....                                      |                            |                           |                |
| c. Aid to Industrial Schools...                                  | \$1,075 44                 |                           |                |
| d. High School Tuition.....                                      |                            |                           |                |
| e. Union Superintendency.....                                    |                            |                           |                |
| 16. From State, for Armories.....                                | 1,200 00                   |                           |                |
| 17. From State, for Highway Pur-<br>poses .....                  |                            |                           |                |
| 18. From State, for Other Purposes                               |                            |                           |                |
| a. Inspector of Animals.....                                     |                            |                           |                |
| b. Protection against Forest<br>Fires .....                      |                            |                           |                |
| c.   |                            |                           |                |
| d.   |                            |                           |                |
| 19. From County (Dog Licenses),<br>for Schools or Libraries..... | 3,961 52                   |                           |                |
| Gifts from Individuals:  |                            |                           |                |
| 20. For Expenses .....   | 1,000 00                   |                           |                |
| 21. For Outlays, Memorial Flag<br>Staff .....                    |                            | \$1,505 00                |                |
| Total from Grants and Gifts.....                                 | \$7,236 96                 | \$1,505 00                | 8,741 96       |
| 5. ALL OTHER GENERAL REVENUE                                     |                            |                           |                |
| 22. ....   |                            |                           |                |
| 23. Police, Unclaimed Property....                               | \$2 50                     |                           |                |
| Total from All Other General Revenue                             | \$2 50                     |                           | 2 50           |
| Total forward .....  |                            |                           | \$2,330,923 80 |

## Schedule A-IV—Continued

## RECEIPTS

| SOURCES OF RECEIPTS               | Revenue<br>for<br>Expenses | Revenue<br>for<br>Outlays | Total          |
|-----------------------------------|----------------------------|---------------------------|----------------|
| Total forward .....               |                            |                           | \$2,330,923 80 |
| <b>COMMERCIAL REVENUE</b>         |                            |                           |                |
| 6. SPECIAL ASSESSMENTS            |                            |                           |                |
| 24. Street Sprinkling .....       | \$33,865 80                |                           |                |
| 25. Moth Extermination .....      | 1,811 91                   |                           |                |
| 26. Sewers .....                  | 8,073 37                   |                           |                |
| 27. Sidewalks and Curbing .....   |                            | \$12,376 87               |                |
| 28. Other Purposes .....          |                            |                           |                |
| Total from Special Assessments... | \$43,751 08                | \$12,376 87               | 56,127 95      |
| 7. PRIVILEGES                     |                            |                           |                |
| 29. Public Service .....          | \$13,689 33                |                           |                |
| 30. Minor .....                   |                            |                           |                |
| Total from Privileges .....       | \$13,689 33                |                           | 13,689 33      |
| Total forward .....               |                            |                           | \$2,400,741 08 |



*No entries to be made on this page.*

See STATE REPORT

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS                          | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|--|----------------------------|--------------------------|----------------|
| Total forward .....                          |                            |                          | \$2,400,741 08 |
| 8. DEPARTMENTAL                              |                            |                          |                |
| 8a. General Government                       |                            |                          |                |
| Legislative                                  |                            |                          |                |
| 31. Aldermen and Council; Moderator .....    |                            |                          |                |
| Executive                                    |                            |                          |                |
| 32. Mayor; Commission; Selectmen             |                            |                          |                |
| Financial                                    |                            |                          |                |
| 33. Auditor, Accountant, and Auditing .....  |                            |                          |                |
| 34. Treasurer .....                          | \$2,338 45                 |                          |                |
| 35. Collector .....                          |                            |                          |                |
| 36. Assessors .....                          |                            |                          |                |
| 37. License Commissioners .....              |                            |                          |                |
| 38. Other Finance Offices and Accounts ..... |                            |                          |                |
| Other General Departments                    |                            |                          |                |
| 39. Law .....                                |                            |                          |                |
| 40. City or Town Clerk .....                 | 1,288 95                   |                          |                |
| General Government forward.....              | \$3,627 40                 |                          |                |
| Total forward .....                          |                            |                          | \$2,400,741 08 |

## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS                      | Expenses    | Outlays | Total |
|--|-------------|---------|-------|
| <b>1. DEPARTMENTAL</b>                   |             |         |       |
| <b>1a. General Government</b>            |             |         |       |
| Legislative                              |             |         |       |
| 1. Aldermen and Council; Moderator ..... |             |         |       |
| a. Salaries and Wages .....              | \$4,705 33  |         |       |
| b. Other Expenses .....                  | 6,143 88    |         |       |
| Executive                                |             |         |       |
| 2. Mayor; Commission; Selectmen          |             |         |       |
| a. Salaries and Wages .....              | 5,960 49    |         |       |
| b. Other Expenses .....                  | 975 08      |         |       |
| Financial                                |             |         |       |
| 3. Auditor, Accountant, and Auditing     |             |         |       |
| a. Salaries and Wages .....              | 5,669 34    |         |       |
| b. Other Expenses .....                  | 516 18      |         |       |
| 4. Treasurer                             |             |         |       |
| a. Salaries and Wages .....              | 11,267 40   |         |       |
| b. Other Expenses .....                  | 3,978 84    |         |       |
| 5. Collector                             |             |         |       |
| a. Salaries and Wages .....              |             |         |       |
| b. Other Expenses .....                  |             |         |       |
| 6. Assessors                             |             |         |       |
| a. Salaries and Wages .....              | 15,511 13   |         |       |
| b. Other Expenses .....                  | 2,406 83    |         |       |
| 7. License Commissioners                 |             |         |       |
| a. Salaries and Wages .....              |             |         |       |
| b. Other Expenses .....                  |             |         |       |
| 8. Other Finance Offices and Accounts    |             |         |       |
| a. Sinking Fund Commissioners            |             |         |       |
| b. Miscellaneous .....                   | 1,010 00    |         |       |
| Other General Departments                |             |         |       |
| 9. Law                                   |             |         |       |
| a. Salaries and Wages .....              | 3,340 40    |         |       |
| b. Other Expenses .....                  | 422 23      |         |       |
| 10. City or Town Clerk                   |             |         |       |
| a. Salaries and Wages .....              | 7,809 50    |         |       |
| b. Other Expenses .....                  | 1,238 00    |         |       |
| General Government forward..             | \$70,954 63 |         |       |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS   | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|---|----------------------------|--------------------------|----------------|
| Total forward .....   |                            |                          | \$2,400,741 08 |
| General Government forward .                                | \$3,627 40                 |                          |                |
| 41. City Messenger .....                                    |                            |                          |                |
| 42. Public Works .....                                      |                            |                          |                |
| 43. Engineering .....                                       |                            |                          |                |
| 44. Superintendent of Buildings...                          |                            |                          |                |
| 45. Election and Registration.....                          | 10 01                      |                          |                |
| 46. Other General Departments....                           |                            |                          |                |
| Municipal Buildings .....                                   |                            |                          |                |
| 47. City or Town Hall .....                                 | 1,925 83                   |                          |                |
| Total from General Government                               | \$5,563 24                 |                          | 5,563 24       |
| 8b. Protection of Persons and Property<br>Police Department |                            |                          |                |
| 48. Services of Officers .....                              |                            |                          |                |
| 49. Sale of Materials .....                                 | \$584 05                   |                          |                |
| Miscellaneous .....   | 29 55                      |                          |                |
| Protection of Persons and Prop-<br>erty forward .....       | 613 60                     |                          |                |
| Total forward .....   |                            |                          | \$2,406,304 32 |



## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS                                   | Expenses     | Outlays. | Total        |
|---|--------------|----------|--------------|
| Total forward .....                                   |              |          |              |
| General Government forward..                          | \$70,954 63  |          |              |
| 11. City Messenger .....                              |              |          |              |
| a. Salaries and Wages .....                           | 1,882 00     |          |              |
| b. Other Expenses .....                               | 255 12       |          |              |
| 12. Public Works .....                                |              |          |              |
| a. Salaries and Wages .....                           |              |          |              |
| b. Other Expenses .....                               |              |          |              |
| 13. Engineering .....                                 |              |          |              |
| a. Salaries and Wages .....                           | 6,388 55     |          |              |
| b. Other Expenses .....                               | 479 89       |          |              |
| 14. Superintendent of Buildings .....                 |              |          |              |
| a. Salaries and Wages .....                           | 3,258 16     |          |              |
| b. Other Expenses .....                               | 872 94       |          |              |
| 15. Election and Registration .....                   |              |          |              |
| a. Salaries and Wages .....                           | 11,796 62    |          |              |
| b. Other Expenses .....                               | 8,478 82     |          |              |
| 16. Other General Departments .....                   | 326 48       |          |              |
| Municipal Buildings .....                             |              |          |              |
| 17. City or Town Hall .....                           |              |          |              |
| a. Salaries and Wages .....                           | 12,721 47    |          |              |
| b. Other Expenses .....                               | 9,860 60     |          |              |
| Total for General Government..                        | \$127,275 28 |          | 127,275 28   |
| 1b. Protection of Persons and Property .....          |              |          |              |
| Police Department .....                               |              |          |              |
| 18. Salaries and Wages .....                          | \$180,406 44 |          |              |
| 19. Horses and Care of Same ....                      | 987,10       |          |              |
| 20. Equipment and Repairs .....                       | 2,738 82     |          |              |
| 21. Fuel and Light .....                              | 1,071 54     |          |              |
| 22. Maintenance of Buildings and<br>Grounds .....     | 494 75       |          |              |
| 23. New Buildings .....                               |              |          |              |
| 24. Pensions .....                                    | 7,716 10     |          |              |
| 25. Other Expenses .....                              | 2,229 46     |          |              |
| Protection of Persons and Prop-<br>erty forward ..... | \$195,644 21 |          |              |
| Total forward .....                                   |              |          | \$127,275 28 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS                                    | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|--|----------------------------|--------------------------|----------------|
| Total forward .....                                    |                            |                          | \$2,406,304 32 |
| Protection of Persons and Prop-<br>erty forward .....  | \$613 60                   |                          |                |
| Fire Department  |                            |                          |                |
| 51. Sale of Materials .....                            | 2 45                       |                          |                |
| 52. Miscellaneous .....                                | 200 00                     |                          |                |
| Militia  |                            |                          |                |
| 53. Armories .....                                     |                            |                          |                |
| 54. Rifle Ranges .....                                 |                            |                          |                |
| Inspection   |                            |                          |                |
| 55. Inspection of Buildings .....                      |                            |                          |                |
| 56. Inspection of Wires .....                          |                            |                          |                |
| 57. Sealing of Weights and Meas-<br>ures .....         | 759 69                     |                          |                |
| Forestry   |                            |                          |                |
| 58. Insect Pest Extermination ....                     | 71 25                      |                          |                |
| 59. Planting and Trimming Trees.                       |                            |                          |                |
| 60. Forest Fires .....                                 |                            |                          |                |
| Other Protection of Persons and<br>Property            |                            |                          |                |
| 61. Bounties .....                                     |                            |                          |                |
| 62. ....   |                            |                          |                |
| 63. ....   |                            |                          |                |
| Total from Protection of Persons<br>and Property ..... | \$1,646 99                 |                          | 1,646 99       |
| Total forward .....                                    |                            |                          | \$2,407,951 31 |

## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS  | Expenses     | Outlays     | Total        |
|--|--------------|-------------|--------------|
| Total forward .....  |              |             | \$127,275 28 |
| Protection of Persons and Property forward .....           | \$195,644 21 |             |              |
| Fire Department  |              |             |              |
| 26. Salaries and Wages .....                               | 127,963 04   |             |              |
| 27. Horses and Care of Same .....                          | 10,446 68    | \$5,187 50  |              |
| 28. Equipment and Repairs .....                            | 6,451 06     |             |              |
| 29. Hydrant Service .....                                  |              |             |              |
| 30. Fuel and Light .....                                   | 3,788 11     |             |              |
| 31. Maintenance of Buildings and Grounds .....             | 2,340 53     | 53,760 59   |              |
| 32. New Buildings .....                                    |              |             |              |
| 33. Pensions .....   | 9,451 40     |             |              |
| 34. Other Expenses .....                                   | 558 78       |             |              |
| Commissioner of Public Safety                              |              |             |              |
| 34a. Salaries .....  | 4,448 99     |             |              |
| 34b. Other Expenses .....                                  | 2,147 40     |             |              |
| Militia  |              |             |              |
| 35. Armories .....   |              |             |              |
| 36. Rifle Ranges .....                                     | 1,514 29     |             |              |
| Inspection   |              |             |              |
| 37. Inspection of Buildings .....                          | 4,949 03     |             |              |
| 38. Inspection of Wires .....                              |              |             |              |
| 39. Sealing of Weights and Measures                        | 4,691 88     |             |              |
| Forestry   |              |             |              |
| 40. Insect Pest Extermination ... }                        |              |             |              |
| 41. Planting and Trimming Trees }                          | 15,462 34    |             |              |
| 42. Forest Fires .....                                     |              |             |              |
| Other Protection of Persons and Property                   |              |             |              |
| 43. Bounties .....   |              |             |              |
| 44. Fish Wardens .....                                     |              |             |              |
| 45. Electrical Department (Police and Fire Together) ..... | 15,912 64    |             |              |
| 46. ....   |              |             |              |
| 46a. Inspection dance halls .....                          | 350 00       |             |              |
| Total for Protection of Persons and Property .....         | \$406,120 38 | \$58,948 09 | 465,068, 47  |
| Total forward .....  |              |             | \$592,343 75 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS  | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|--|----------------------------|--------------------------|----------------|
| Total forward .....  |                            |                          | \$2,407,951 31 |
| 8c. Health and Sanitation                                  |                            |                          |                |
| Health   |                            |                          |                |
| 64. Quarantine and Contagious Dis-<br>ease Hospitals ..... | \$5,413 89                 |                          |                |
| 65. Tuberculosis .....                                     | 14,467 59                  |                          |                |
| 66. Miscellaneous .....                                    | 610 70                     |                          |                |
| 67. Inspection .....                                       |                            |                          |                |
| Sanitation   |                            |                          |                |
| 68. Sewers and Sewage Disposál..                           | 38 89                      |                          |                |
| 69. Sewer Construction .....                               |                            |                          |                |
| 70. Refuse and Garbage Disposál..                          | 13,613 14                  |                          |                |
| 71. Street Cleaning .....                                  |                            |                          |                |
| Other Health and Sanitation                                |                            |                          |                |
| 72. ....   |                            |                          |                |
| 73. ....   |                            |                          |                |
| Total from Health Sanitation .                             | \$34,144 21                |                          | 34,144 21      |
| Total forward .....  |                            |                          | \$2,442,095 52 |



## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS  | Expenses     | Outlays     | Total        |
|--|--------------|-------------|--------------|
| Total forward .....  |              |             | \$592,343 75 |
| <b>1c. Health and Sanitation</b>                           |              |             |              |
| Health   |              |             |              |
| 47. General Administration .....                           | \$7,834 44   |             |              |
| 48. Quarantine and Contagious Dis-<br>ease Hospitals ..... | 14,278 05    |             |              |
| 49. Tuberculosis .....                                     | 22,161 02    | \$2,004 70  |              |
| 50. Vital Statistics .....                                 | 1,072 79     |             |              |
| 51. Other Expenses .....                                   | 5,326 09     |             |              |
| 52. Inspection   |              |             |              |
| a. Inspection of School Children                           | 3,723 29     |             |              |
| b. Inspection of animals .....                             | 789 64       |             |              |
| c. Inspection of Meat and Pro-<br>visions .....            | 1,740 00     |             |              |
| d. Inspection of Milk and Vine-<br>gar .....               | 3,643 99     |             |              |
| Sanitation   |              |             |              |
| 53. Sewer Maintenance and Opera-<br>tion .....             | 16,156 20    |             |              |
| 54. Metropolitan Sewer Maintenance                         | 33,808 76    |             |              |
| 55. Sewer Construction .....                               |              | 48,912 15   |              |
| 56. Refuse and Garbage Disposal..                          | 105,418 75   |             |              |
| 57. Street Cleaning .....                                  | 53,555 17    |             |              |
| Other Health and Sanitation                                |              |             |              |
| 58. Sanitaries and Public Conveni-<br>ence Stations .....  | 67 11        |             |              |
| 59. Care of Brooks and Streams....                         |              |             |              |
| 60. Draining of Ponds .....                                |              |             |              |
| 61. Abatement Smoke Nuisance....                           | 413 04       |             |              |
| Total for Health and Sanitation..                          | \$269,988 34 | \$50,916 85 | 320,905 19   |
| Total forward .....  |              |             | \$913,248 94 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS  | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|--|----------------------------|--------------------------|----------------|
| Total forward .....  |                            |                          | \$2,442,095 52 |
| 8d. Highways   |                            |                          |                |
| 74. General .....  | \$1,726 52                 |                          |                |
| 75. Construction .....   |                            | \$1,734 35               |                |
| 76. Sidewalks and Curbing .....                                  | 1,407 02                   |                          |                |
| 77. Snow and Ice Removal .....                                   |                            |                          |                |
| 78. Sprinkling .....   |                            |                          |                |
| a. Water .....   | 393 43                     |                          |                |
| b. Other .....   |                            |                          |                |
| 79. Lighting .....   |                            |                          |                |
| 80. Miscellaneous .....  |                            |                          |                |
| Total from Highways .....  | \$3,526 97                 | \$1,734 35               | \$5,261 32     |
| 8e. Charities  |                            |                          |                |
| Almshouse or Town Farm .....                                     |                            |                          |                |
| a. Sale of Produce and Stock..                                   | \$4,382 80                 |                          |                |
| b. Board .....   | 394 43                     |                          |                |
| c. Miscellaneous .....   | 61 35                      |                          |                |
| 82. Reimbursements (except for<br>Municipal General Hospitals).. |                            |                          |                |
| a. From Individuals .....  | 49 40                      |                          |                |
| b. From Other Cities and Towns                                   | 1,977 16                   |                          |                |
| c. From the State .....  | 2,055 53                   |                          |                |
| 83. Municipal General Hospitals...                               |                            |                          |                |
| 84. Miscellaneous .....  |                            |                          |                |
| Total from Charities .....                                       | \$8,920 67                 |                          | \$8,920 67     |
| Total forward .....  |                            |                          | \$2,456,277 51 |

## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS                                   | Expenses     | Outlays      | Total          |
|---|--------------|--------------|----------------|
| Total forward .....                                   |              |              | \$913,248 94   |
| <b>1d. Highways</b>                                   |              |              |                |
| 62. General Administration .....                      | \$9,723 28   |              |                |
| 63. General Highway Expenditures.                     | 123,142 96   |              |                |
| 64. Construction .....                                |              | \$187,540 13 |                |
| 65. Sidewalks and Curbing .....                       | 8,294 84     | 22,855 49    |                |
| 66. Snow and Ice Removal .....                        | 11,764 68    |              |                |
| 67. Sprinkling .....                                  |              |              |                |
| a. Water .....  | 18,426 59    |              |                |
| b. Other .....  | 16,083 46    |              |                |
| 68. Lighting .....                                    | 72,074 50    |              |                |
| 69. Other Expenses .....                              |              |              |                |
| a. Town Pump .....                                    |              |              |                |
| b. Signs, Guide Boards, and<br>Street Numbering ..... |              |              |                |
| c. ....   |              |              |                |
| Total for Highways .....                              | \$259,510 31 | \$210,395 62 | 469,905 93     |
| <b>1e. Charities</b>                                  |              |              |                |
| 70. General Administration .....                      | \$5,577 97   |              |                |
| 71. Almshouse or Town Farm ....                       | 32,906 74    |              |                |
| 72. Outside Relief by City or Town                    | 28,825 85    |              |                |
| 73. Relief given by Other Cities and<br>Towns .....   | 5,447 90     |              |                |
| 74. Hospitals .....                                   |              |              |                |
| a. Municipal General .....                            |              |              |                |
| b. Private or Quasi-public ....                       |              |              |                |
| 75. Other Expenses .....                              | 4,101 36     |              |                |
| Total for Charities .....                             | \$76,859 82  |              | 76,859 82      |
| Total forward .....                                   |              |              | \$1,460,014 69 |

## Schedule A-IV—Continued

## RECEIPTS

| SOURCES OF RECEIPTS                                    | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|--|----------------------------|--------------------------|----------------|
| Total forward .....                                    |                            | .                        | \$2,456,277 51 |
| <b>8f. Soldiers' Benefits</b>                          |                            |                          |                |
| 85. State Aid .....                                    | \$11,739 00                |                          |                |
| 86. Military Aid .....                                 | 393 00                     |                          |                |
| 87. Soldiers' Burials .....                            | 629 00                     |                          |                |
| 88. Soldiers' Relief .....                             | 48 00                      |                          |                |
| Total from Soldiers' Benefits..                        | \$12,809 00                |                          | 12,809 00      |
| <b>8g. Education</b>                                   |                            |                          |                |
| 89. Tuition and Transportation of<br>State Wards ..... | \$843 00                   |                          |                |
| 90. Other Tuition .....                                | 4,091 00                   |                          |                |
| 91. Sale of Text-books and Supplies                    | 2,084 79                   |                          |                |
| 92. Miscellaneous .....                                | 436 00                     | \$9,246 00               |                |
| Total from Education .....                             | \$7,454 79                 | \$9,246 00               | 16,700 79      |
| <b>8h. Libraries</b>                                   |                            |                          |                |
| 93. Fines, Rentals, and Sales .....                    | \$1,011 38                 |                          |                |
| 94. Miscellaneous .....                                |                            |                          |                |
| Total from Libraries .....                             | \$1,011 38                 |                          | 1,011 38       |
| Total forward .....                                    |                            |                          | \$2,486,798 68 |



## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS                               | Expenses     | Outlays  | Total          |
|---|--------------|----------|----------------|
| Total forward .....                               |              |          | \$1,460,014 69 |
| <b>1f. Soldiers' Benefits</b>                     |              |          |                |
| 76. General Administration .....                  | \$674 11     |          |                |
| 77. State Aid .....                               | 10,138 00    |          |                |
| 78. Military Aid .....                            | 458 00       |          |                |
| 79. Soldiers' Burials .....                       | 700 00       |          |                |
| 80. Soldiers' Relief .....                        | 15,815 89    |          |                |
| Total for Soldiers' Benefits....                  | \$27,816 00  |          | 27,816 00      |
| <b>1g. Education</b>                              |              |          |                |
| 81. General Expenses                              |              |          |                |
| a. Administrative Salaries ....                   | \$12,274 75  |          |                |
| b. Other General Salaries .....                   | 11,288 59    |          |                |
| c. Other General Expenses ....                    | 4,798 55     |          |                |
| 82. Teachers' Salaries .....                      | 460,794 20   |          |                |
| 83. Text-books and Supplies .....                 | 20,235 78    |          |                |
| 84. Tuition .....                                 | 462 44       |          |                |
| 85. Transportation .....                          | 385 20       |          |                |
| 86. Support of Truants .....                      | 1,197 25     |          |                |
| 87. Janitors' Services .....                      | 47,102 19    |          |                |
| 87a. Janitors' Pensioned .....                    | 2,600 00     |          |                |
| 88. Fuel and Light .....                          | 26,157 46    |          |                |
| 89. Maintenance of Buildings and<br>Grounds ..... | 9,370 14     |          |                |
| 90. New Buildings .....                           |              | \$596 19 |                |
| 91. Furniture and Furnishings ....                | 683 57       | 275 60   |                |
| 92. Rent .....                                    |              |          |                |
| 93. Other Expenses .....                          | 1,643 96     |          |                |
| 93a. Pensions, Teachers' .....                    | 6,687 50     |          |                |
| Total for Education .....                         | \$605,681 58 | \$871 79 | 606,553 37     |
| <b>1h. Libraries</b>                              |              |          |                |
| 94. Salaries and Wages .....                      | \$17,298 75  |          |                |
| 95. Books, Periodicals, etc. ....                 | 7,408 94     |          |                |
| 96. Binding .....                                 | 1,058 27     |          |                |
| 97. Fuel and Light .....                          | 1,388 45     |          |                |
| 98. Buildings .....                               | 1,176 92     |          |                |
| 99. Other Expenses .....                          | 2,570 21     |          |                |
| Total for Libraries .....                         | \$30,901 54  |          | 30,901 54      |
| Total forward .....                               |              |          | \$2,125,285 60 |



Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS   | Expenses    | Outlays     | Total          |
|---|-------------|-------------|----------------|
| Total forward .....   |             |             | \$2,125,285 60 |
| <b>1i. Recreation</b>   |             |             |                |
| 100. General Administration .....                               |             |             |                |
| a. Salaries and Wages .....                                     | \$2,849 83  |             |                |
| b. Other Expenses .....   | 1,308 16    |             |                |
| 101. Parks and Gardens  |             |             |                |
| a. Salaries and Wages .....                                     | 16,058 16   |             |                |
| b. Improvements and Additions                                   |             | \$12,427 50 |                |
| c. Metropolitan Park Maintenance .....                          | 38,946 75   |             |                |
| d. Other Expenses .....   | 7,148 30    |             |                |
| 102. Playgrounds and Gymnasla....                               |             |             |                |
| a. Salaries and Wages .....                                     | 2,949 75    |             |                |
| b. Improvements and Additions                                   |             | 29,733 65   |                |
| c. Other Expenses .....   | 698 26      |             |                |
| 103. Bathhouses and Beaches .....                               |             |             |                |
| a. Salaries and Wages .....                                     | 930 38      |             |                |
| b. Improvements and Additions                                   |             |             |                |
| c. Other Expenses .....   | 1,424 13    |             |                |
| 104. Celebrations and Entertainments                            |             |             |                |
| a. Fourth of July .....   | 1,498 98    |             |                |
| b. Labor Day .....  | 399 25      |             |                |
| c. Band Concerts .....  |             |             |                |
| d. All Other .....  | 58 86       | 6,030 00    |                |
| Total for Recreation .....                                      | \$74,270 81 | \$48,191 15 | 122,461 96     |
| <b>1j. Unclassified</b>   |             |             |                |
| 105. Damages to Persons and Personal Property .....             | \$5,633 75  |             |                |
| 106. Memorial Day .....   | 1,200 00    |             |                |
| 107. City and Town Clocks .....                                 | 155 00      |             |                |
| 108. Searching Parties .....                                    |             |             |                |
| 109. Ice for Drinking Fountains ....                            | 970 81      |             |                |
| 110. Payments not recorded under Previous Classifications ..... |             |             |                |
| 110a. City Council, Annual Documents .....                      | 813 46      |             |                |
| 110b. New System of Accounting...                               | 2,256 94    |             |                |
| 110c. Increase in Stock .....                                   | 131 23      |             |                |
| Total for Unclassified .....                                    | \$11,161 19 |             | 11,161 19      |
| Total forward .....   |             |             | \$2,258,908 75 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS                               | Revenue<br>for<br>Expenses | Offsets<br>to<br>Outlays | Total          |
|---|----------------------------|--------------------------|----------------|
| Total forward .....                               |                            |                          | \$2,491,313 61 |
| 9. PUBLIC SERVICE ENTERPRISES                     |                            |                          |                |
| 100. Electric                                     |                            |                          |                |
| a. Income from Sale of Light<br>and Power .....   |                            |                          |                |
| b. Miscellaneous .....                            |                            |                          |                |
| 101. Gas  |                            |                          |                |
| a. Income from Sale of Gas                        |                            |                          |                |
| b. Sale of By-products (coke,<br>tar, etc.) ..... |                            |                          |                |
| c. Miscellaneous .....                            |                            |                          |                |
| 102. Water  |                            |                          |                |
| a. Income from Sale of Water..                    | \$383,309 23               |                          |                |
| b. Miscellaneous .....                            | 15,147 20                  | \$10,202 18              |                |
| 103. All Other                                    |                            |                          |                |
| a. Markets .....                                  |                            |                          |                |
| b. Public Sales .....                             | 6 09                       |                          |                |
| c. Docks and Wharves .....                        |                            |                          |                |
| d. Ferries .....                                  |                            |                          |                |
| e. Herring and Alewife Fish-<br>eries .....       |                            |                          |                |
| f. Miscellaneous .....                            |                            |                          |                |
| Total from Public Service Enterprises             | \$398,462 52               | \$10,202 18              | 408,664 70     |
| 10. CEMETERIES                                    |                            |                          |                |
| 104. Sale of Lots and Graves .....                | \$6,327 00                 |                          |                |
| 105. Care of Lots and Graves .....                | \$8,571 39                 |                          |                |
| 106. Miscellaneous .....                          |                            |                          |                |
| Total from Cemeteries .....                       | \$14,898 39                |                          | 14,898 39      |
| 11. ADMINISTRATION OF TRUST<br>FUNDS              |                            |                          |                |
| 107. ....   |                            |                          |                |
| 108. ....   |                            |                          |                |
| 109. ....   |                            |                          |                |
| Total from Administration of Trust Funds          |                            |                          |                |
| Total forward .....                               |                            |                          | \$2,914,876 70 |



## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS                     | Expenses     | Outlays     | Total          |
|---|--------------|-------------|----------------|
| Total forward .....                     |              |             | \$2,258,908 75 |
| 2. PUBLIC SERVICE ENTERPRISES           |              |             |                |
| 111. Electric                           |              |             |                |
| a. Maintenance and Operation..          |              |             |                |
| b. Construction .....                   |              |             |                |
| 112. Gas                                |              |             |                |
| a. Maintenance and Operation..          |              |             |                |
| b. Construction .....                   |              |             |                |
| 113. Water                              |              |             |                |
| a. Maintenance and Operation..          | \$124,096 82 |             |                |
| b. Metropolitan Water Maintenance ..... |              |             |                |
| c. Construction .....                   |              | \$47,388 93 |                |
| 114. All Other                          |              |             |                |
| a. Markets .....                        |              |             |                |
| b. Public Scales .....                  |              |             |                |
| c. Docks and Wharves .....              |              |             |                |
| d. Ferries .....                        |              |             |                |
| e. Herring and Alewife Fisheries .....  |              |             |                |
| f. Miscellaneous .....                  |              |             |                |
| Total for Public Service Enterprises    | \$124,096 82 | \$47,388 93 | 171,485 75     |
| 3. CEMETERIES                           |              |             |                |
| 115. Maintenance .....                  | \$18,505 58  |             |                |
| 116. Improvements and Additions..       |              |             |                |
| Total for Cemeteries .....              | \$18,505 58  |             | 18,505 58      |
| 4. ADMINISTRATION OF TRUST FUNDS        |              |             |                |
| 117. ....                               |              |             |                |
| 118. ....                               |              |             |                |
| 119. ....                               |              |             |                |
| Total for Administration of Trust Funds |              |             |                |
| Total forward .....                     |              |             | \$2,448,900 08 |

Schedule A-IV—Continued

RECEIPTS

| SOURCES OF RECEIPTS                                     | Revenue<br>for<br>Expenses | Indebtedness | Total          |
|---|----------------------------|--------------|----------------|
| Total forward .....                                     |                            |              | \$2,914,876 70 |
| 12. INTEREST  |                            |              |                |
| 110. On Deposits .....                                  | \$7,115 52                 |              |                |
| 111. On Deferred Taxes .....                            | 15,749 98                  |              |                |
| 112. On Deferred Special Assessments .....              | 197 27                     |              |                |
| 113. On Sinking Funds .....                             | 82 30                      |              |                |
| 114. On Investment Funds .....                          |                            |              |                |
| 115. On Public Trust Funds .....                        |                            |              |                |
| a. Charity .....  |                            |              |                |
| b. School .....   |                            |              |                |
| c. Library .....  |                            |              |                |
| d. Cemetery .....                                       | 3,858 81                   |              |                |
| e. All Other .....                                      |                            |              |                |
| 116. Miscellaneous .....                                |                            |              |                |
| Total from Interest .....                               | 27,003 88                  |              | 27,003 88      |
| 13. MUNICIPAL INDEBTEDNESS                              |                            |              |                |
| 117. Loans in Anticipation of Taxes .....               |                            | \$400,000 00 |                |
| 118. Other Temporary Loans .....                        |                            |              |                |
| 119. Loans for General Purposes ..                      |                            | 408,000 00   |                |
| 120. Trust Funds Used .....                             |                            |              |                |
| 121. Loans for Public Service En-<br>terprises .....    |                            | 50,000 00    |                |
| 122. Loans for Cemeteries .....                         |                            |              |                |
| 123. Bonds Refunded, Current Year.                      |                            |              |                |
| 124. Premiums .....                                     |                            | 202 30       |                |
| 125. Unpaid Warrants or Orders of<br>Current Year ..... |                            |              |                |
| Total from Municipal Indebtedness                       |                            | \$858,202 30 | 858,202 30     |
| Total forward .....                                     |                            |              | \$3,800,082 88 |

## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS   | Expenses     | Indebtedness | Total          |
|---|--------------|--------------|----------------|
| Total forward .....   |              |              | 2,448,900 08   |
| 5. INTEREST   |              |              |                |
| 120. On Loans in Anticipation of Taxes  | \$7,432 77   |              |                |
| 121. On Other Temporary Loans .....   |              |              |                |
| 122. On Loans for General Purposes ..   | 324,777 84   |              |                |
| 123. On Trust Funds Used .....  | 1,500 00     |              |                |
| 124. On Loans for Public Service Enterprises .....                                  | 110,810 96   |              |                |
| 125. On Loans for Cemeteries .....  | 2,860 00     |              |                |
| 126. Metropolitan Interest Requirements .....                                       |              |              |                |
| a. Sewer .....  | 50,807 26    |              |                |
| b. Park .....   | 55,543 45    |              |                |
| c. Water .....  |              |              |                |
| 127. State Assessment for Interest on Account of Abolition of Grade Crossings ..... | 80 00        |              |                |
| 128. All Other .....  |              |              |                |
| Total for Interest .....  | \$553,812 28 |              | 553,812 28     |
| 6. MUNICIPAL INDEBTEDNESS   |              |              |                |
| 129. Loans in Anticipation of Taxes..   |              | \$400,000 00 |                |
| 130. Other Temporary Loans .....  |              |              |                |
| 131. Bonds and Notes from Sinking Funds .....                                       |              |              |                |
| a. General .....  |              | 10,000 00    |                |
| b. Public Service Enterprises..   |              | 50,000 00    |                |
| c. Cemeteries .....   |              |              |                |
| 132. Bonds and Notes from Revenue   |              |              |                |
| a. General .....  | 2,000 00     |              |                |
| b. Public Service Enterprises..   | 16,500 00    |              |                |
| c. Cemeteries .....   |              |              |                |
| 133. Metropolitan Sinking Fund and Serial Loan Requirements.....                    |              |              |                |
| a. Sewer .....  | 27,328 90    |              |                |
| b. Park .....   | 15,685 29    |              |                |
| c. Water .....  |              |              |                |
| 134. State Assessment for Abolition of Grade Crossings Loan Fund...                 | 2,000 00     |              |                |
| 135. Bonds Refunded, Current Year..   |              |              |                |
| 136. Warrants or Orders of Previous Years .....                                     |              |              |                |
| Total for Municipal Indebtedness  | \$63,514 19  | \$460,000 00 | 523,514 19     |
| Total forward .....   |              |              | \$3,526,226 55 |

## Schedule A-IV—Continued

## RECEIPTS

| SOURCES OF RECEIPTS   |  | Non-<br>Revenue       | Total          |
|---|--|-----------------------|----------------|
| Total forward .....   |  |                       | \$3,800,082 88 |
| 14. SINKING FUNDS   |  |                       |                |
| From Commissioners to meet Loans for—                           |  |                       |                |
| 126. General Purposes .....                                     |  | \$10,000 00           |                |
| 127. Public Service Enterprises ....                            |  | 50,000 00             |                |
| 128. Cemeteries .....   |  |                       |                |
| Total from Sinking Fund ....                                    |  | \$60,000 00           | \$60,000 00    |
|   |  | Temporary<br>Accounts |                |
| 15. AGENCY, TRUST, AND INVESTMENT<br>TRANSACTIONS               |  |                       |                |
| Agency  |  |                       |                |
| 129. Taxes .....  |  | \$210,320 00          |                |
| a. State .....  |  | 4,235 16              |                |
| b. Non-resident Bank .....                                      |  | 106,103 33            |                |
| c. County .....   |  |                       |                |
| 130. Liquor Licenses Collected for<br>State .....               |  | 16 75                 |                |
| 131. Reimbursements for Abolition<br>of Grade Crossings .....   |  | 541 12                |                |
| 132. All Other .....  |  |                       |                |
| Trust   |  |                       |                |
| 133. Perpetual Care Funds .....                                 |  | 3,957 25              |                |
| 134. Other Permanent Public Trust<br>Funds .....                |  |                       |                |
| 135. Income for Investment .....                                |  |                       |                |
| 136. Private Trust Funds and Ac-<br>counts .....                |  |                       |                |
| a. Guarantee Deposits .....                                     |  |                       |                |
| b. Protested Taxes and Assess-<br>ments .....                   |  | 685 84                |                |
| c. Tailings .....   |  |                       |                |
| d. All Other .....  |  |                       |                |
| Investment  |  |                       |                |
| 137. Sinking Fund Securities .....                              |  |                       |                |
| 138. Investment Fund Securities....                             |  |                       |                |
| Total from Agency, Trust and In-<br>vestment Transactions ..... |  | \$325,859 45          | 325,859 45     |
| Total forward .....   |  |                       | \$4,185,942 33 |



Schedule A-IV—Continued

PAYMENTS

| OBJECTS OF PAYMENTS   | From<br>Revenue | From Non-<br>Revenue  | Total          |
|---|-----------------|-----------------------|----------------|
| Total forward .....   |                 |                       | \$3,526,226 55 |
| 7. SINKING FUNDS  |                 |                       |                |
| To Commissioners for Debt Require-<br>ments                     |                 |                       |                |
| 137. From Taxes, Earnings, etc. ..                              | \$414,047 52    |                       |                |
| 138. From Premiums on Bonds ....                                |                 |                       |                |
| 139. From Sale of Real Estate, etc.                             |                 |                       |                |
| Total for Sinking Funds .....                                   | \$414,047 52    |                       | \$414,047 52   |
|   |                 | Temporary<br>Accounts |                |
| 8. AGENCY, TRUST, AND INVESTMENT<br>TRANSACTIONS                |                 |                       |                |
| Agency  |                 |                       |                |
| 140. Taxes .....  |                 |                       |                |
| a. State .....  |                 | \$210,320 00          |                |
| b. Non-resident Bank .....                                      |                 | 4,235 16              |                |
| c. County .....   |                 | 106,103 33            |                |
| 141. Liquor Licenses Remitted to the<br>State .....             |                 | 16 75                 |                |
| 142. Abolition of Grade Crossings ..                            |                 |                       |                |
| 143. All Other .....  |                 |                       |                |
| Trust   |                 |                       |                |
| 144. Perpetual Care Funds .....                                 |                 | 3,957 25              |                |
| 145. Other Permanent Public Trust<br>Funds .....                |                 |                       |                |
| 146. Income Invested .....                                      |                 |                       |                |
| 147. Private Trust Funds and Ac-<br>counts .....                |                 |                       |                |
| a. Return of Guarantee De-<br>posits .....                      |                 |                       |                |
| b. Return of Protested Taxes<br>and Assessments .....           |                 | 303 30                |                |
| c. Tailings .....   |                 |                       |                |
| d. All Other .....  |                 |                       |                |
| Investment  |                 |                       |                |
| 148. Sinking Fund Securities .....                              |                 |                       |                |
| 149. Investment Fund Securities....                             |                 |                       |                |
| Total for Agency, Trust, and In-<br>vestment Transactions ..... |                 | \$324,935 79          | 324,935 79     |
| Total forward .....   |                 |                       | \$4,265,209 86 |

## Schedule A-IV—Continued

## RECEIPTS

| SOURCES OF RECEIPTS                  |  | Temporary<br>Accounts | Total          |
|--------------------------------------|--|-----------------------|----------------|
| Total forward .....                  |  |                       | \$4,185,942 33 |
| 16. REFUNDS                          |  |                       |                |
| 139. Taxes .....                     |  | \$51,026 18           |                |
| 140. Licenses .....                  |  | 96 85                 |                |
| 141. Special Assessments .....       |  | 226 97                |                |
| 142. General Departments .....       |  | 1,348 04              |                |
| 143. Public Service Enterprises .... |  | 4,373 66              |                |
| 144. Cemeteries .....                |  |                       |                |
| 145. Accrued Interest .....          |  | 1,493 35              |                |
| 146. All Other .....                 |  |                       |                |
| Total Refunds .....                  |  | \$58,565 05           | 58,565 05      |
| 17. TRANSFERS                        |  |                       |                |
| 147. Departmental                    |  |                       |                |
| a. Treasury from Water.....          |  | \$1,500 00            |                |
| b. Law from Water .....              |  | 1,000 00              |                |
| c. City Home from State Aid..        |  | 138 19                |                |
| d. Cemetery from Sundry De-          |  |                       |                |
| partments .....                      |  | 378 00                |                |
| e. Moth Extermination from           |  |                       |                |
| Sundry Departments .....             |  | 59 14                 |                |
| f. Municipal Buildings from          |  |                       |                |
| Sundry Departments .....             |  | 1,365 00              |                |
| g. Sewer from Sundry Depart-         |  |                       |                |
| ments .....                          |  | 85 89                 |                |
| h. Street from Sundry Depart-        |  |                       |                |
| ments .....                          |  | 228 33                |                |
| i. Water from Sundry Depart-         |  |                       |                |
| ments .....                          |  | 623 86                |                |
| j. Postage and Stationery from       |  |                       |                |
| Sundry Departments .....             |  | 1,794 28              |                |
| Total Transfers .....                |  | \$7,172 69            | 7,172 69       |
| Total forward .....                  |  |                       | \$4,251,680 07 |

## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS  |  | Temporary<br>Accounts | Total          |
|--|--|-----------------------|----------------|
| Total forward .....  |  |                       | \$4,265,209 86 |
| 9. REFUNDS   |  |                       |                |
| 150. Taxes .....   |  | \$51,026 18           |                |
| 151. Licenses .....  |  | 96 85                 |                |
| 152. Special Assessments .....                             |  | 226 97                |                |
| 153. General Departments .....                             |  | 1,348 04              |                |
| 154. Public Service Enterprises.....                       |  | 4,373 66              |                |
| 155. Cemeteries .....                                      |  |                       |                |
| 156. Accrued Interest .....                                |  | 1,493 35              |                |
| 157. All Other .....                                       |  |                       |                |
| Total Refunds .....  |  | \$58,565 05           | 58,565 05      |
| 10. TRANSFERS  |  |                       |                |
| 158. Departmental .....                                    |  |                       |                |
| a. Water to Treasury .....                                 |  | \$1,500 00            |                |
| b. Water to Law .....                                      |  | 1,000 00              |                |
| c. State Aid to City Home....                              |  | 138 19                |                |
| d. Sundry Departments to Cem-<br>etery .....               |  | 378 00                |                |
| e. Sundry Departments to Moth<br>Extermination .....       |  | 59 14                 |                |
| f. Sundry Departments to Muni-<br>cipal Buildings .....    |  | 1,365 00              |                |
| g. Sundry Departments to Sewer                             |  | 85 89                 |                |
| h. Sundry Departments to Street                            |  | 228 33                |                |
| i. Sundry Departments to Water                             |  | 623 86                |                |
| j. Sundry Departments to Post-<br>age and Stationery ..... |  | 1,794 28              |                |
| Total Transfers .....                                      |  | \$7,172 69            | 7,172 69       |
| Total forward .....  |  |                       | \$4,330,947 60 |





## Schedule A-IV—Continued

## PAYMENTS

| OBJECTS OF PAYMENTS                              |  | Cash<br>Balances | Total          |
|--|--|------------------|----------------|
| Total forward .....                              |  |                  | \$4,330,947 60 |
| 11. BALANCES                                     |  |                  |                |
| 159. General .....                               |  | \$10,605 67      |                |
| 160. Sinking Fund .....                          |  |                  |                |
| 161. Investment Fund .....                       |  |                  |                |
| 162. Public Trust Fund .....                     |  | 461 07           |                |
| 163. Private Trust Funds and Ac-<br>counts ..... |  |                  |                |
| Total Cash on Hand End of Year                   |  | \$11,066 74      | 11,066 74      |
|  |  |                  |                |
| Grand Total Payments and Cash on Hand            |  |                  | \$4,342,014 34 |



# Schedule A-V

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## APPROPRIATIONS, RECEIPTS AND PAYMENTS

Abatements, Taxes.

### CITY INCOME.

#### Departmental:—

- General Government.
- Protection of Life and Property.
- Health and Sanitation.
- Highways and Bridges.
- Charities.
- Soldiers' Benefits.
- Education.
- Libraries.
- Recreation.
- Unclassified.

#### Public Service Enterprises:—

- Water Works.
- Cemeteries.

Administration of Invested Funds.

Interest.

Sinking Funds.

## CITY INCOME

## RECEIPTS—Including Taxes and Loans

Statement in Detail of all the Income, Taxes and Loans Received on Account  
of the City of Cambridge During the Financial Year 1913-1914

## TAXES

|  |                |                       |
|--|----------------|-----------------------|
| Taxes of 1913 .....  | \$2,222,170 59 |                       |
| Taxes of 1912 and prior .....  | 232,499 22     |                       |
| From Commonwealth, for city's proportion of tax<br>on corporations ..... | 155,484 51     |                       |
| From Commonwealth, for city's proportion of tax<br>on banks .....        | 16,968 65      |                       |
| Street railway tax .....   | 57,260 12      |                       |
|  |                | <u>\$2,684,383 09</u> |

## LICENSES AND PERMITS.

|                                      |                 |                   |
|--------------------------------------|-----------------|-------------------|
| For amusement licenses .....         | \$150 00        |                   |
| Druggists' liquor licenses .....     | 67 00           |                   |
| Fireworks (Fire Dept.) .....         | 9 50            |                   |
| Guides in public streets .....       | 14 00           |                   |
| Hawkers' and pedlers' licenses ..... | 150 00          |                   |
| Massage and manicure licenses .....  | 21 00           |                   |
| Milk and vinegar licenses .....      | 374 00          |                   |
| Dance licenses .....                 | 273 00          |                   |
| Licenses issued by City Clerk:       |                 |                   |
| Auctioneers .....                    | \$34 00         |                   |
| Intelligence offices .....           | 66 00           |                   |
| Lord's Day (ice cream, etc.) .....   | 336 00          |                   |
| Pawnbrokers and small loans .....    | 100 00          |                   |
| Pedlers .....                        | 167 50          |                   |
| Pool and bowling alleys .....        | 152 00          |                   |
| Private detective .....              | 30 00           |                   |
| Junk stores and collectors .....     | 797 00          |                   |
| Wagon, carriage and drivers .....    | 400 00          |                   |
| Gasoline .....                       | 62 50           |                   |
| Slaughtering .....                   | 4 00            |                   |
| Merry-go-round .....                 | 8 00            |                   |
| Marriage .....                       | 1,467 00        |                   |
|                                      | <u>3,624 00</u> |                   |
| Newspaper licenses:                  |                 |                   |
| Police Department .....              | \$62 40         |                   |
| School Department .....              | 95 00           |                   |
|                                      | <u>157 40</u>   |                   |
|                                      |                 | <u>\$4,839 90</u> |

4,682 50

## EXPENDED

|  |              |                 |
|--|--------------|-----------------|
| For payments to State on account of liquor licenses. | \$16 75      |                 |
| Refunds on newspaper license badges:                 |              |                 |
| Police Department .....                              | \$32 85      |                 |
| School Department .....                              | 54 00        |                 |
|  | <u>86 85</u> |                 |
|  |              | <u>\$103 60</u> |

## COURT FINES

|   |            |  |
|---|------------|--|
| For fines from Third District Court ..... | \$4,576 17 |  |
| Fines from House of Correction .....      | 249 00     |  |

4,825 17

## DOG LICENSES FROM COUNTY

|                                 |            |                 |
|---------------------------------|------------|-----------------|
| From county for libraries ..... | \$3,961 52 |                 |
|                                 |            | <u>3,961 52</u> |

Amount carried forward ..... \$2,697,852 28



## City Income—Continued

Amount brought forward ..... \$2,697,852 28

## STREET SPRINKLING ASSESSMENTS

|                                   |             |           |
|-----------------------------------|-------------|-----------|
| For street sprinkling, 1913 ..... | \$30,559 81 |           |
| Street sprinkling, 1912 .....     | 2,865 05    |           |
| Street sprinkling, 1911 .....     | 489 72      |           |
| Street sprinkling, old.....       | 85 20       |           |
|                                   |             | 33,999 78 |

## MOTH EXTERMINATION ASSESSMENTS

|                                  |            |          |
|----------------------------------|------------|----------|
| For moth assessments, 1913 ..... | \$1,617 42 |          |
| Moth assessments, 1912 .....     | 179 67     |          |
| Moth assessments, 1911 .....     | 23 65      |          |
| Moth assessments, old .....      | 3 25       |          |
|                                  |            | 1,823 99 |

## PUBLIC SERVICE PRIVILEGES—BOSTON ELEVATED

|                                  |             |           |
|----------------------------------|-------------|-----------|
| Boston Elevated Railway Co. .... | \$13,689 33 |           |
|                                  |             | 13,689 33 |

## CITY CLERK'S DEPARTMENT.

|                                    |        |          |
|------------------------------------|--------|----------|
| For recording cemetery deeds ..... | \$4 25 |          |
| Certificates from records .....    | 201 25 |          |
| Recording dog licenses .....       | 369 60 |          |
| Recording liquor licenses .....    | 68 00  |          |
| Married women's certificates ..... | 88 60  |          |
| Mortgages, assignments, etc .....  | 514 30 |          |
| Witness fees .....                 | 1 80   |          |
| Business certificates .....        | 20 05  |          |
| Junk collectors' badges .....      | 18 50  |          |
| Telephone fees .....               | 2 60   |          |
|                                    |        | 1,288 95 |

## ELECTION EXPENSES—CITY CLERK'S DEPARTMENT

|                              |         |       |
|------------------------------|---------|-------|
| For sale of waste paper..... | \$10 01 |       |
|                              |         | 10 01 |

## LAW DEPARTMENT

|   |            |          |
|---|------------|----------|
| Legal advice and service of City Solicitor to Water<br>Department ..... | \$1,000 00 |          |
| Overpayment of bill .....   | 5 25       |          |
| Cost on suit entered .....  | 11 81      |          |
|   |            | 1,017 06 |

## DAMAGES TO PERSONS AND PERSONAL PROPERTY

|  |        |      |
|--|--------|------|
| For overpayment of special draft ..... | \$5 00 |      |
|  |        | 5 00 |

## TREASURY DEPARTMENT

|  |          |          |
|--|----------|----------|
| Tax sale:  |          |          |
| Preparation .....  | \$157 85 |          |
| Advertising .....  | 280 10   |          |
| Deeds .....  | 226 00   |          |
| Posting .....  | 120 50   |          |
| Recording .....  | 5 35     |          |
| Releases .....   | 27 00    |          |
| Certificates of liens (Chap. 378, Acts of 1907) ..                                   | 179 00   |          |
| Affidavits .....   | 12 75    |          |
| Premiums .....   | 12 00    |          |
| Taxes—Summonses .....  | 1,317 90 |          |
| Services of department in collection of water rates,<br>etc., Water Department ..... | 1,500 00 |          |
|  |          | 3,838 45 |

Amount carried forward ..... \$2,753,524 85

## City Income—Continued

Amount brought forward ..... \$2,753,524 85

## MUNICIPAL BUILDINGS

For heating building for:

|                             |          |                   |
|-----------------------------|----------|-------------------|
| Electrical Department ..... | \$100 00 |                   |
| Fire Department .....       | 375 00   |                   |
| Police Department .....     | 890 00   |                   |
|                             |          | <u>\$1,365 00</u> |

Rent of Third District Court ..... 1,333 33

From Commonwealth of Massachusetts for rent of accommodations for Armory Troop C, on Massachusetts Ave. .... 1,200 00

For sale of old furniture ..... 542 50

For sale of old schoolhouse on Pioneer St..... 50 00

4,490 83

## POSTAGE AND STATIONERY

For Stationery furnished to:

|  |                 |
|--|-----------------|
| Assessors' Department .....                    | \$68 76         |
| Auditing Department .....                      | 29 30           |
| Cemetery Department .....                      | 124 90          |
| City Clerk's Department .....                  | 185 93          |
| City Council .....                             | 22 63           |
| City Messenger's Department .....              | 46 23           |
| Civil Service Registration .....               | 30              |
| Clerk of Committees' Department .....          | 57 30           |
| Election Expenses, City Clerk's Department ... | 153 03          |
| Electrical Department .....                    | 42 80           |
| Registrars of Voters .....                     | 71 36           |
| Engineering Department .....                   | 17 95           |
| Commission of Public Safety Department...      | 55 08           |
| Fire Department.....                           | 22 65           |
| Police Department .....                        | 32 00           |
| Health Department, General Expenses .....      | 64 55           |
| Diphtheria Hospital .....                      | 1 09            |
| Tuberculosis Hospital .....                    | 2 21            |
| Inspection of Animals .....                    | 4 55            |
| Inspection of Milk and Vinegar .....           | 3 33            |
| Inspection of Buildings .....                  | 26 30           |
| Law Department .....                           | 43 92           |
| Mayor's Department .....                       | 130 28          |
| Modified Milk .....                            | 3 67            |
| Municipal Buildings Department .....           | 7 93            |
| Central Library General Expenses .....         | 193 00          |
| East Cambridge Library Branch Gen. Exp.....    | 5 00            |
| North Cambridge Library Branch Gen. Exp.....   | 18 24           |
| Outside Aid Expenses .....                     | 23 00           |
| City Home General Expenses .....               | 26 00           |
| Park Department General Account .....          | 71 48           |
| Sewer Department Maintenance General .....     | 18 68           |
| State Aid .....                                | 22 19           |
| Street Department .....                        | 76 06           |
| Treasury Department .....                      | 23 66           |
| Sealer of Weights and Measures .....           | 4 40            |
| Water Department .....                         | 94 52           |
|  | <u>1,794 28</u> |

Amount carried forward ..... \$2,759,809 96

## City Income—Continued

Amount brought forward ..... \$2,759,809 96

## ELECTRICAL DEPARTMENT

For lighting Massachusetts Ave., as per  
agreement with Board of Trade ..... \$1,000 00  
1,000 00

## COMMISSIONER OF PUBLIC SAFETY

## POLICE DIVISION

For sale of cloth for uniforms..... \$578 05  
Collars ..... 6 00  
Sale of unclaimed property ..... 2 50  
Minors' licenses ..... 62 40  
\$648 95

## FIRE DIVISION

For damage by running into engine by  
B. E. Railroad car ..... \$200 00  
Sale of old material ..... 2 45  
202 45  
851 40

## SEALER OF WEIGHTS AND MEASURES

For fees of sealing ..... \$759 69  
Weighing fees at public scales ..... 6 09  
765 78

## MOTH EXTERMINATION BILLS

For cleaning and spraying trees, etc.:  
Sundry departments ..... \$53 14  
Individuals ..... 71 25  
Tree poles and creosote..... 6 00  
130 39

## HEALTH DEPARTMENT

For board at Tuberculosis Hospital:  
Sundry persons ..... \$798 52  
Other cities and towns ..... 4,349 77  
Commonwealth of Massachusetts .. 9,319 30  
\$14,467 59

Board at Diphtheria Hospital:  
Sundry persons ..... \$398 01  
Other cities and towns ..... 1,040 28  
Commonwealth of Massachusetts .. 612 88  
2,051 17

Board at other institutions:  
Sundry persons ..... \$763 76  
Other cities and towns ..... 1,832 07  
Commonwealth of Massachusetts .. 766 89  
3,362 72  
19,881 48

## MODIFIED MILK

For sale of modified milk ..... \$610 70  
610 70

Amount carried forward ..... \$2,783,049 71



## City Income—Continued

Amount brought forward ..... \$2,783,049 71

## SEWER MAINTENANCE

|                            |         |        |
|----------------------------|---------|--------|
| For brick and cement ..... | \$30 53 |        |
| Grates and covers .....    | 14 64   |        |
| Fertilizer .....           | 5 00    |        |
| Manhole frame .....        | 14 60   |        |
| Rubber boots .....         | 55 01   |        |
| Stones .....               | 5 00    |        |
|                            |         | 124 78 |

## HOUSE OFFAL

|                         |             |           |
|-------------------------|-------------|-----------|
| For sale of offal ..... | \$12,713 14 |           |
|                         |             | 12,713 14 |

## INCINERATORS

|                               |          |        |
|-------------------------------|----------|--------|
| For rent of incinerator ..... | \$900 00 |        |
|                               |          | 900 00 |

## STREET MAINTENANCE

|                                     |         |          |
|-------------------------------------|---------|----------|
| For brick .....                     | \$18 54 |          |
| Cement, granite, etc. ....          | 275 21  |          |
| Coal and machine oil .....          | 36 50   |          |
| Crushed stone .....                 | 129 64  |          |
| Cement bags returned .....          | 359 30  |          |
| Granite, etc. ....                  | 672 95  |          |
| Horseshoeing .....                  | 94 21   |          |
| Hose .....                          | 50      |          |
| Iron .....                          | 33 63   |          |
| Lumber .....                        | 2 00    |          |
| Old harness .....                   | 5 00    |          |
| Paving blocks .....                 | 106 24  |          |
| Permits .....                       | 20 00   |          |
| Pipe .....                          | 8 50    |          |
| Removing dead horse from yard ..... | 9 00    |          |
| Use steam roller .....              | 145 00  |          |
| Use of watering cart .....          | 18 00   |          |
| Stonedust .....                     | 14 77   |          |
|                                     |         | 1,948 99 |

## STREET SPRINKLING

|                                 |          |        |
|---------------------------------|----------|--------|
| For watering private ways ..... | \$393 43 |        |
|                                 |          | 393 43 |

## SIDEWALK REPAIRS

|                                       |            |          |
|---------------------------------------|------------|----------|
| For constructing driveways, etc ..... | \$1,407 02 |          |
|                                       |            | 1,407 02 |

## BOSTON AND CAMBRIDGE BRIDGES

|                            |        |      |
|----------------------------|--------|------|
| For sale of old iron ..... | \$5 86 |      |
|                            |        | 5 86 |

## CITY HOME

|                                  |          |        |
|----------------------------------|----------|--------|
| For board:                       |          |        |
| Soldiers' Relief Department..... | \$138 19 |        |
| Sundry persons .....             | 300 93   |        |
| Other cities and towns .....     | 24 00    |        |
| Barrels .....                    | 10 80    |        |
| Grease and bones .....           | 50 55    |        |
|                                  |          | 524 47 |

Amount carried forward ..... \$2,801,067 40



## City Income—Continued

Amount brought forward ..... \$2,801,067 40

## CITY HOME HOSPITAL

## For board:

Sundry persons ..... \$93 50  
Other cities and towns..... 108 57

202 07

## CITY FARM

For sale of produce, etc. .... \$4,382 80

4,382 80

## OUTSIDE AID

## For reimbursements:

From individuals ..... \$49 40  
From other cities and towns ..... 1,844 59  
From the Commonwealth of Massachusetts..... 2,055 53  
Cash turned into treasury from Cash aid and  
Mothers' aid rolls ..... 171 00

4,120 52

## SOLDIERS' BENEFITS

## From State Aid:

From the State ..... \$11,739 00  
Money refunded ..... 62 00  
\$11,801 00

## Military Aid:

From the State ..... \$393 00  
Money refunded ..... 8 00  
401 00

## Soldiers' Relief:

Town of Danvers ..... \$48 00  
Money refunded ..... 44 00  
92 00

## Soldiers' burials:

From the State ..... 629 00  
Board, sundry persons ..... 10 00

12,933 00

## SCHOOLS, TUITION, SALES, ETC.

For tuition of State wards ..... \$843 00

Tuition of minor wards, City of Boston..... 6 00

## Tuition of non-resident pupils:

At High Schools..... \$712 00  
At Rindge Technical School.... 870 00  
At Rindge Technical School, by  
Harvard College for stu-  
dents' summer session..... 2,224 00  
At Elementary Schools ..... 33 00  
At Trade School..... 130 00

3,969 00

Tuition at High School (Hopkins Fund) ..... 80 00

Reimbursement on account of independent In-  
dustrial Schools, Commonwealth of Massa-  
chusetts ..... 1,075 44

Damages collected ..... 141 17

Sale of books and materials ..... 290 26

Sale of furniture ..... 85 00

Sale of food, Thorndike School..... 21 31

Amounts carried forward ..... \$6,511 18 \$2,822,705 79

## City Income—Continued

Amounts brought forward ..... \$6,511 18 \$2,822,705 79

## SCHOOLS, TUITION, SALES, ETC.—Concluded

|   |            |          |
|---|------------|----------|
| Sales of clothing, etc., Trade School.....  | \$1,632 05 |          |
| Overpayment on bill .....   | 3 83       |          |
| Salaries returned .....   | 901 15     |          |
| Sale of cases, iron, etc. ....  | 211 10     |          |
| Use of school halls for rallies .....   | 85 00      |          |
| Use of telephone .....  | 13 90      |          |
| Sale of minors' licenses .....  | 95 00      |          |
| Deposits, Rindge School forfeited .....   | 36 00      |          |
| Expenses incurred in exchanging and replacing<br>D. C. motors, Cambridge Electric Light Co. | 126 00     |          |
|   |            | 9,615 21 |
| Less refund on minors' licenses .....   | \$54 00    |          |
| Less revenue appropriated .....   | 5,006 36   |          |
|   | 5,060 36   |          |
| Amount of School Department revenue<br>to be reappropriated .....                           | 4,554 85   |          |
|   | \$9,615 21 |          |

## SALE LASSELL SCHOOL AND FRESH AIR SCHOOL

|  |            |          |
|--|------------|----------|
| For sale of Lassell School .....           | \$2,918 00 |          |
| Sale of Fresh Air School, Windsor St. .... | 50 00      |          |
|  |            | 2,968 00 |

## LIBRARY FINES, ETC.

|                 |            |          |
|-----------------|------------|----------|
| For fines ..... | \$1,011 38 |          |
|                 |            | 1,011 38 |

## PARK DEPARTMENT, RENTS, ETC.

|                               |          |        |
|-------------------------------|----------|--------|
| For rent of land .....        | \$333 32 |        |
| Rent of boathouse .....       | 500 00   |        |
| For labor and materials ..... | 25 00    |        |
| For use of steam roller ..... | 33 75    |        |
|                               |          | 892 07 |

## PARK DEPARTMENT, FLOATING BATH

|                              |        |      |
|------------------------------|--------|------|
| For use of towels, etc. .... | \$5 04 |      |
|                              |        | 5 04 |

## CAMBRIDGE FIELD SHELTER

|                                    |          |        |
|------------------------------------|----------|--------|
| For use of towels at shelter ..... | \$312 12 |        |
|                                    |          | 312 12 |

## RINDGE FIELD SHELTER

|                                    |          |        |
|------------------------------------|----------|--------|
| For use of towels at shelter ..... | \$121 98 |        |
|                                    |          | 121 98 |

## RUSSELL FIELD

|                         |        |      |
|-------------------------|--------|------|
| For use of towels ..... | \$1 70 |      |
|                         |        | 1 70 |

## BATH HOUSE, CAPTAIN'S ISLAND

|   |          |        |
|---|----------|--------|
| For use of bathing suits, towels, etc. .... | \$729 65 |        |
|   |          | 729 65 |

## THORNDIKE FIELD SHOWER BATHS

|                         |         |       |
|-------------------------|---------|-------|
| For use of towels ..... | \$52 37 |       |
|                         |         | 52 37 |

Amount carried forward ..... \$2,838,415 31

## City Income—Continued

Amount brought forward ..... \$2,838,415 31

## CEMETERY DEPARTMENT

|                                   |            |                  |
|-----------------------------------|------------|------------------|
| For sale of lots and graves ..... | \$6,705 00 |                  |
| Burials, care, etc. ....          | 12,430 20  |                  |
| Perpetual care .....              | 3,957 25   |                  |
|                                   |            | <u>23,092 45</u> |

## INTEREST

|  |           |                  |
|--|-----------|------------------|
| Interest on bank deposits:             |           |                  |
| Cambridge Trust Company .....          | \$824 31  |                  |
| Central Trust Company .....            | 1,119 54  |                  |
| Guarantee Trust Company .....          | 701 84    |                  |
| Harvard Trust Company .....            | 2,607 44  |                  |
| Liberty Trust Company .....            | 581 17    |                  |
| Charles River National Bank .....      | 676 25    |                  |
| Lechmere National Bank .....           | 383 73    |                  |
| Fidelity Trust Company .....           | 163 60    |                  |
| Charlestown Trust Company .....        | 43 17     |                  |
| Massachusetts Trust Company .....      | 14 47     |                  |
| Interest on overdue taxes .....        | 15,749 98 |                  |
| Interest on sidewalk assessments ..... | 142 86    |                  |
| Interest on sewer assessments .....    | 54 41     |                  |
| Interest on grade crossings .....      | 541 12    |                  |
| Commissioners of Sinking Funds .....   | 82 30     |                  |
| Accrued interest on bonds .....        | 1,339 06  |                  |
|  |           | <u>25,025 25</u> |

## WATER WORKS, RATES, ETC.

|                       |              |                   |
|-----------------------|--------------|-------------------|
| For water rates ..... | \$387,682 89 |                   |
| Miscellaneous bills:  |              |                   |
| Maintenance .....     | 3,301 48     |                   |
| Off and on .....      | 455 00       |                   |
| Rent .....            | 611 90       |                   |
| Seals .....           | 57 75        |                   |
| Supply .....          | 11,344 93    |                   |
|                       |              | <u>15,771 06</u>  |
|                       |              | <u>403,453 95</u> |

## WATER DEPARTMENT, ACCRUED INTEREST

|   |          |               |
|---|----------|---------------|
| For accrued interest on water bonds ..... | \$154 29 |               |
|   |          | <u>154 29</u> |

## RENT OF LAND, HARVARD COLLEGE

|                        |            |                 |
|------------------------|------------|-----------------|
| In lieu of taxes ..... | \$2,400 00 |                 |
|                        |            | <u>2,400 00</u> |

## SPECIAL RECEIPTS

## SEWER CONSTRUCTION GENERAL

|                             |            |                 |
|-----------------------------|------------|-----------------|
| For sewer assessments ..... | \$8,073 37 |                 |
| Return of cement bags ..... | 80 91      |                 |
|                             |            | <u>8,154 28</u> |

## CONSTRUCTION OF STREETS ACCOUNT SUBWAY

|  |            |                 |
|--|------------|-----------------|
| For sale of wood blocks, Boston Elevated Railway Company ..... | \$1,734 35 |                 |
|  |            | <u>1,734 35</u> |

## EDGESTONES AND SIDEWALKS

|  |             |                  |
|--|-------------|------------------|
| For edgestones and sidewalks assessments ..... | \$12,376 87 |                  |
|  |             | <u>12,376 87</u> |

Amount carried forward ..... \$3,314,806 75



## City Income—Concluded

|   |                |                       |
|---|----------------|-----------------------|
| Amount brought forward .....                      | \$3,314,806 75 |                       |
| WATER DEPARTMENT, CONSTRUCTION GENERAL            |                |                       |
| For labor and materials.....                      | \$4,814 66     | 4,814 66              |
| WATER DEPARTMENT "DETECTOR METERS "               |                |                       |
| For labor and materials.....                      | \$5,000 00     | 5,000 00              |
| WATER DEPARTMENT "HOBBS BROOK CONDUIT "           |                |                       |
| For sale of land to Hood Rubber Co., Watertown... | \$387 52       | 387 52                |
| PREMIUM ACCOUNT                                   |                |                       |
| For premium on Municipal Bonds.....               | \$202 30       | 202 30                |
| MEMORIAL FLAG STAFF                               |                |                       |
| For collection from Daughters of Revolution.....  | \$1,255 00     |                       |
| Gift, Boston Elevated Railway Co.....             | 250 00         | 1,505 00              |
| SPECIAL APPROPRIATION FOR UNPAID BILLS.           |                |                       |
| SCHOOL BOARD, 1912-1913                           |                |                       |
| For sale of Riverside School and lot .....        | \$2,939 00     |                       |
| Sale of Dana School lot.....                      | 3,339 00       | 6,278 00              |
| RECEIPTS FROM LOANS                               |                |                       |
| From Building Loans .....                         | \$55,000 00    |                       |
| Municipal Loans .....                             | 36,000 00      |                       |
| Sewer Loans .....                                 | 31,000 00      |                       |
| Schoolhouse Loan .....                            | 65,000 00      |                       |
| School Teachers' Salary Loan.....                 | 28,000 00      |                       |
| Street Loans .....                                | 193,000 00     |                       |
| Water Loans .....                                 | 50,000 00      |                       |
| Temporary Loans .....                             | 400,000 00     |                       |
|   | 858,000 00     |                       |
| Commission Sinking Fund.....                      | 60,000 00      |                       |
| Tax lien account .....                            | 685 84         | 918,685 84            |
| Total .....                                       | \$4,251,680 07 |                       |
| To cash in Treasury, April 1, 1913.....           | 90,334 27      |                       |
|   |                | <u>\$4,342,014 34</u> |



# PAYMENTS

## GENERAL GOVERNMENT

### CITY COUNCIL EXPENSES

Appropriation ..... \$5,500 00

#### EXPENDED

For salaries:

|                       |          |          |
|-----------------------|----------|----------|
| Clerk of Council..... | \$500 00 |          |
| Page .....            | 75 00    |          |
|                       | <hr/>    | \$575 00 |

|  |  |        |
|--|--|--------|
| Advertising hearings, ordinances, etc. |  | 600 79 |
|--|--|--------|

|                                  |  |      |
|----------------------------------|--|------|
| Books, legal documents, etc..... |  | 8 90 |
|----------------------------------|--|------|

|  |  |        |
|--|--|--------|
| Budgets, calendars, financial reports<br>and manuals ..... |  | 691 97 |
|--|--|--------|

|                   |  |          |
|-------------------|--|----------|
| Car tickets ..... |  | 1,250 00 |
|-------------------|--|----------|

|  |  |        |
|--|--|--------|
| City documents, printing and bind-<br>ing (part payment) ..... |  | 813 46 |
|--|--|--------|

Funeral Expenses:

|                     |         |  |
|---------------------|---------|--|
| Carriage hire ..... | \$15 68 |  |
|---------------------|---------|--|

|               |       |       |
|---------------|-------|-------|
| Flowers ..... | 24 50 |       |
|               | <hr/> | 40 18 |

|                                    |  |       |
|------------------------------------|--|-------|
| Gavels, engraving and mounting ... |  | 11 88 |
|------------------------------------|--|-------|

Inauguration expenses:

|   |         |  |
|---|---------|--|
| Carriage and automo-<br>bile hire ..... | \$20 58 |  |
|---|---------|--|

|                        |       |  |
|------------------------|-------|--|
| Floral decorations ... | 50 00 |  |
|------------------------|-------|--|

|                |       |  |
|----------------|-------|--|
| Printing ..... | 73 50 |  |
|----------------|-------|--|

|                    |       |        |
|--------------------|-------|--------|
| Use of chairs..... | 7 84  |        |
|                    | <hr/> | 151 92 |

|   |  |        |
|---|--|--------|
| Investigation, cost of electric<br>lighting ..... |  | 122 75 |
|---|--|--------|

|                                      |  |       |
|--------------------------------------|--|-------|
| Investigation, Park Department ..... |  | 50 00 |
|--------------------------------------|--|-------|

|                                  |  |       |
|----------------------------------|--|-------|
| Investigation, price of ice..... |  | 50 00 |
|----------------------------------|--|-------|

|                       |  |       |
|-----------------------|--|-------|
| Locks, keys, etc..... |  | 10 63 |
|-----------------------|--|-------|

|                                  |  |       |
|----------------------------------|--|-------|
| Posting and serving notices..... |  | 89 34 |
|----------------------------------|--|-------|

|  |  |       |
|--|--|-------|
| Posting notices of civil service ex-<br>aminations ..... |  | 96 00 |
|--|--|-------|

|                |  |        |
|----------------|--|--------|
| Printing ..... |  | 343 87 |
|----------------|--|--------|

|                      |  |       |
|----------------------|--|-------|
| Recording fees ..... |  | 22 99 |
|----------------------|--|-------|

|                                 |  |       |
|---------------------------------|--|-------|
| Ringling bells on holidays..... |  | 45 00 |
|---------------------------------|--|-------|

|                    |  |       |
|--------------------|--|-------|
| Spring water ..... |  | 25 84 |
|--------------------|--|-------|

|                                  |  |        |
|----------------------------------|--|--------|
| Stationery and record books..... |  | 113 97 |
|----------------------------------|--|--------|

Expenses of Committees for:

|                        |            |  |
|------------------------|------------|--|
| Carriage and auto hire | \$1,291 64 |  |
|------------------------|------------|--|

|                                     |        |          |
|-------------------------------------|--------|----------|
| Dinners and refresh-<br>ments ..... | 986 48 |          |
|                                     | <hr/>  | 2,278 12 |

|  |       |          |
|--|-------|----------|
|  | <hr/> | 7,392 61 |
|--|-------|----------|

|   |  |            |
|---|--|------------|
| Excess of expenditure over appropriation..... |  | \$1,892 61 |
|---|--|------------|

|                                 |       |          |
|---------------------------------|-------|----------|
| Transfer from Reserve Fund..... |       | 1,892 61 |
|                                 | <hr/> | <hr/>    |

\$7,392 61

## General Government—Continued

## CLERK OF COMMITTEES' DEPARTMENT

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$4,200 00 |
|---------------------|------------|

## EXPENDED

For salaries of:

|                           |            |          |
|---------------------------|------------|----------|
| Clerk of Committees ..... | \$2,353 33 |          |
| Assistant .....           | 975 00     |          |
| Stenographer .....        | 750 00     |          |
| Total .....               |            | 4,078 33 |

|  |          |
|--|----------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$121 67 |
|--|----------|

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300 00 |
|---------------------|----------|

## EXPENDED

|   |        |        |
|---|--------|--------|
| For binding .....                                   | \$6 37 |        |
| Directories .....                                   | 17 84  |        |
| Stationery, printing and office supplies .....      | 87 80  |        |
| Service of stenographer at committee hearings ..... | 52 00  |        |
| Subscriptions .....                                 | 6 00   |        |
| Telephone service .....                             | 81 72  |        |
| Typewriter .....                                    | 81 00  |        |
| Total .....   |        | 332 73 |

|  |         |
|--|---------|
| Excess of expenditure over appropriation ..... | \$32 73 |
| Transfer from Reserve Fund .....               | 32 73   |

## MAYOR'S DEPARTMENT

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$5,884 00 |
|---------------------|------------|

## EXPENDED

For salaries of:

|                             |            |
|-----------------------------|------------|
| Mayor J. Edward Barry ..... | \$3,500 00 |
| Clerk .....                 | 1,573 95   |
| Stenographer .....          | 886 54     |

|             |            |
|-------------|------------|
| Total ..... | \$5,960 49 |
|-------------|------------|

|  |         |
|--|---------|
| Excess of expenditure over appropriation ..... | \$76 49 |
| Transfer from Reserve Fund .....               | 76 49   |

## General Government—Continued

## MAYOR'S DEPARTMENT

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$900 00 |
|---------------------|----------|

## EXPENDED

|  |        |        |
|--|--------|--------|
| For binding .....                              | \$6 86 |        |
| Car tickets .....                              | 50 00  |        |
| Carriage and automobile hire.....              | 364 39 |        |
| Dinners .....                                  | 59 29  |        |
| Directory .....                                | 4 00   |        |
| Stationery, printing and office supplies ..... | 237 50 |        |
| Subscriptions .....                            | 11 04  |        |
| Telephone service .....                        | 145 57 |        |
| Typewriter supplies and repairs.....           | 4 06   |        |
|  | <hr/>  | 882 71 |

|   |                     |
|---|---------------------|
| Surplus of appropriation transferred to Reserve Fund..... | <hr/> <hr/> \$17 29 |
|---|---------------------|

## AUDITING DEPARTMENT

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$5,400 00 |
|---------------------|------------|

## EXPENDED

|                         |            |          |
|-------------------------|------------|----------|
| For salaries of:        |            |          |
| Auditor .....           | \$2,500 00 |          |
| Clerks, permanent ..... | 2,778 68   |          |
| Clerks, temporary ..... | 390 66     |          |
|                         | <hr/>      |          |
| Total .....             |            | 5,669 34 |

|   |                |
|---|----------------|
| Excess of expenditure over appropriation..... | <hr/> \$269 34 |
|---|----------------|

|                                 |                    |
|---------------------------------|--------------------|
| Transfer from Reserve Fund..... | <hr/> <hr/> 269 34 |
|---------------------------------|--------------------|

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$400 00 |
|---------------------|----------|

## EXPENDED

|   |        |        |
|---|--------|--------|
| For adding machine repairs .....              | \$3 70 |        |
| Car tickets .....                             | 15 00  |        |
| Expressage .....                              | 5 50   |        |
| Plans .....                                   | 16 00  |        |
| Printing annual report.....                   | 112 60 |        |
| Repairing electric fan.....                   | 1 00   |        |
| Repairing locks, etc.....                     | 8 69   |        |
| Services of clerk.....                        | 1 25   |        |
| Stationery, printing and office supplies..... | 129 62 |        |
| Telephone service .....                       | 89 47  |        |
| Typewriter and repairs.....                   | 133 35 |        |
|   | <hr/>  |        |
| Total .....                                   |        | 516 18 |

|   |                |
|---|----------------|
| Excess of expenditure over appropriation..... | <hr/> \$116 18 |
|---|----------------|

|                                  |                    |
|----------------------------------|--------------------|
| Transfer from Reserve Fund ..... | <hr/> <hr/> 116 18 |
|----------------------------------|--------------------|

## General Government—Continued

## TREASURER'S AND COLLECTOR'S DEPARTMENT

## Salaries

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$12,600 00 |
|---------------------|-------------|

## EXPENDED

For salaries of:

|                              |            |
|------------------------------|------------|
| Treasurer .....              | \$3,000 00 |
| Cashier .....                | 1,899 04   |
| Paymaster and assistant..... | 2,600 00   |
| Bookkeeper .....             | 1,040 00   |
| Clerks (Permanent) .....     | 2,718 36   |
| Temporary clerks .....       | 1,505 00   |

|             |           |
|-------------|-----------|
| Total ..... | 12,762 40 |
|-------------|-----------|

|   |          |
|---|----------|
| Excess of expenditure over appropriation..... | \$162 40 |
|---|----------|

|                                  |        |
|----------------------------------|--------|
| Transfer from Reserve Fund ..... | 162 40 |
|----------------------------------|--------|

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$4,625 00 |
|---------------------|------------|

## EXPENDED

|   |          |
|---|----------|
| For advertising tax sale.....                 | \$251 10 |
| Automobile hire .....                         | 585 50   |
| Binding .....                                 | 9 98     |
| Car tickets .....                             | 10 00    |
| Certified copies from Records.....            | 45 31    |
| Directory .....                               | 4 00     |
| Dues .....                                    | 20 00    |
| Expenses to convention .....                  | 123 00   |
| Express .....                                 | 3 10     |
| Lunches .....                                 | 11 24    |
| Office furniture .....                        | 76 46    |
| Premium on bonds .....                        | 280 00   |
| Printing and certifying bonds.....            | 630 00   |
| Services of stenographer .....                | 5 00     |
| Subscriptions .....                           | 19 47    |
| Telegrams .....                               | 1 04     |
| Telephone service .....                       | 129 63   |
| Water cooler .....                            | 8 33     |
| Stationery, printing and office supplies..... | 2,400 68 |

|             |          |
|-------------|----------|
| Total ..... | 4,613 84 |
|-------------|----------|

|   |         |
|---|---------|
| Surplus of appropriation transferred to Reserve Fund..... | \$11 16 |
|---|---------|



## General Government—Continued

## ASSESSORS' DEPARTMENT

## Salaries

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$14,958 00 |
|---------------------|-------------|

## EXPENDED

For salaries of:

|                           |            |
|---------------------------|------------|
| Principal assessors ..... | \$6,000 00 |
| Assistant assessors ..... | 3,850 00   |
| Clerks, permanent .....   | 2 808 00   |
| Clerks, temporary .....   | 2,653 13   |

|             |           |
|-------------|-----------|
| Total ..... | 15,311 13 |
|-------------|-----------|

|  |          |
|--|----------|
| Excess of expenditure over appropriation ..... | \$353 13 |
| Transfer from Reserve Fund .....               | 353 13   |

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,260 00 |
|---------------------|------------|

## EXPENDED

|  |          |
|--|----------|
| For advertising .....                          | \$98 00  |
| Automobile hire .....                          | 133 20   |
| Binding .....                                  | 4 41     |
| Car tickets .....                              | 110 00   |
| Cash for lunches .....                         | 3 65     |
| Directories .....                              | 28 70    |
| Expressage .....                               | 80       |
| Posting notices .....                          | 15 00    |
| Printing poll tax list .....                   | 1,275 30 |
| Binding poll tax list .....                    | 4 50     |
| Stationery, printing and office supplies ..... | 600 35   |
| Subscriptions .....                            | 14 80    |
| Telephone service .....                        | 116 40   |
| Typewriter repairs .....                       | 1 72     |

|             |          |
|-------------|----------|
| Total ..... | 2,406 83 |
|-------------|----------|

|  |          |
|--|----------|
| Excess of expenditure over appropriation ..... | \$146 83 |
| Transfer from Reserve Fund .....               | 146 83   |

## ASSESSORS' PLANS

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$200 00 |
|---------------------|----------|

## EXPENDED

|  |        |
|--|--------|
| For services of engineers and assistants, as per payrolls..... | 200 00 |
|--|--------|

General Government—Continued

CITY CLERK'S DEPARTMENT

Salaries

Appropriation ..... \$8,054 00

EXPENDED

For salaries of:

|                            |            |
|----------------------------|------------|
| City Clerk .....           | \$3,300 00 |
| Assistant city clerk ..... | 1,600 00   |
| Permanent clerks .....     | 1,984 00   |
| Temporary clerks .....     | 640 50     |

|             |          |
|-------------|----------|
| Total ..... | 7,524 50 |
|-------------|----------|

|  |          |
|--|----------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$529 50 |
|--|----------|

General Expenses

Appropriation ..... \$2,000 00

EXPENDED

|  |         |
|--|---------|
| For badges .....                               | \$98 00 |
| Binding .....                                  | 43 22   |
| Birth returns, sundry physicians .....         | 428 92  |
| Canvassing for births .....                    | 579 00  |
| Death returns .....                            | 1 00    |
| Directories .....                              | 10 00   |
| Expressage .....                               | 1 15    |
| Electrical supplies .....                      | 4 11    |
| Office furniture and repairs .....             | 63 35   |
| Premium on bonds .....                         | 12 00   |
| Serving notices .....                          | 7 50    |
| Stationery, printing and office supplies ..... | 656 31  |
| Subscriptions .....                            | 4 95    |
| Telephone service .....                        | 110 63  |
| Typewriter, new .....                          | 87 25   |
| Typewriter supplies .....                      | 23 93   |
| Verifying and obtaining facts for record ..... | 63 87   |

|             |          |
|-------------|----------|
| Total ..... | 2 195 19 |
|-------------|----------|

|  |          |
|--|----------|
| Excess of expenditure over appropriation ..... | \$195 19 |
|--|----------|

|                                  |        |
|----------------------------------|--------|
| Transfer from Reserve Fund ..... | 195 19 |
|----------------------------------|--------|

CLASSIFIED GENERAL INDEX

Appropriation ..... \$500 00

EXPENDED

|  |          |
|--|----------|
| For sundry persons, as per payroll ..... | \$285 00 |
| Stationery and supplies .....            | 19 60    |

|             |        |
|-------------|--------|
| Total ..... | 304 60 |
|-------------|--------|

|  |          |
|--|----------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$195 40 |
|--|----------|

## General Government—Continued

## CITY MESSENGER'S DEPARTMENT

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,880 00 |
|---------------------|------------|

## EXPENDED

For salaries of:

|                      |            |
|----------------------|------------|
| City Messenger ..... | \$1,400 00 |
| Assistant .....      | 482 00     |

|             |          |
|-------------|----------|
| Total ..... | 1,882 00 |
|-------------|----------|

|  |        |
|--|--------|
| Excess of expenditure over appropriation ..... | \$2 00 |
|--|--------|

|                                  |      |
|----------------------------------|------|
| Transfer from Reserve Fund ..... | 2 00 |
|----------------------------------|------|

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$300 00 |
|---------------------|----------|

## EXPENDED

|   |        |
|---|--------|
| For binding .....                             | \$1 47 |
| Car tickets .....                             | 25 00  |
| Directory .....                               | 4 00   |
| Expressage .....                              | 2 28   |
| Keys, etc. ....                               | 2 19   |
| Newspapers, periodicals, etc. ....            | 14 10  |
| Postage, stationery and office supplies ..... | 84 73  |
| Rent of postoffice box .....                  | 6 00   |
| Telephone service .....                       | 113 88 |
| Water .....                                   | 1 47   |

|             |        |
|-------------|--------|
| Total ..... | 255 12 |
|-------------|--------|

|  |         |
|--|---------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$44 88 |
|--|---------|

## POSTAGE AND STATIONERY

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,000 00 |
|---------------------|------------|

## EXPENDED

|   |          |
|---|----------|
| For postage and stamped envelopes ..... | \$648 81 |
| Stationery and office supplies .....    | 1,276 70 |

|             |          |
|-------------|----------|
| Total ..... | 1,925 51 |
|-------------|----------|

|  |         |
|--|---------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$74 49 |
|--|---------|

## General Government—Continued

## LAW DEPARTMENT

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$4,126 00 |
|---------------------|------------|

## EXPENDED

For salaries of:

|                      |            |
|----------------------|------------|
| City Solicitor ..... | \$3,500 00 |
| Stenographer .....   | 704 00     |

|             |          |
|-------------|----------|
| Total ..... | 4,204 00 |
|-------------|----------|

|   |         |
|---|---------|
| Excess of expenditure over appropriation..... | \$78 00 |
|---|---------|

|                                 |       |
|---------------------------------|-------|
| Transfer from Reserve Fund..... | 78 00 |
|---------------------------------|-------|

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$800 00 |
|---------------------|----------|

## EXPENDED

|   |        |
|---|--------|
| For certified records, etc .....              | \$1 75 |
| Court costs .....                             | 62 40  |
| Directories .....                             | 6 50   |
| Entry fees, etc. ....                         | 89 50  |
| Investigation of cases.....                   | 47 10  |
| Legal documents, books, etc.....              | 24 80  |
| Office rent .....                             | 249 96 |
| Photographic supplies .....                   | 5 64   |
| Services of stenographer .....                | 15 00  |
| Serving notices .....                         | 6 40   |
| Stationery, printing and office supplies..... | 96 60  |
| Subscriptions .....                           | 25 00  |
| Telephone service .....                       | 50 00  |
| Typewriter, new .....                         | 71 00  |

|             |        |
|-------------|--------|
| Total ..... | 751 65 |
|-------------|--------|

|   |         |
|---|---------|
| Surplus of appropriation transferred to Reserve Fund..... | \$48 35 |
|---|---------|

## ELECTION AND REGISTRATION

## ELECTION EXPENSES (CITY CLERK)

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$11,400 00 |
|---------------------|-------------|

## EXPENDED

For service of:

|                                      |            |
|--------------------------------------|------------|
| Election officers and deputies ..... | \$4,508 00 |
|--------------------------------------|------------|

|                    |        |
|--------------------|--------|
| Precinct men ..... | 175 00 |
|--------------------|--------|

|   |          |
|---|----------|
| Primary officers, state and city<br>primary ..... | 2,441 00 |
|---|----------|

|            |
|------------|
| \$7,124 00 |
|------------|

|   |       |
|---|-------|
| Special clerks, tabulating returns..... | 96 50 |
|---|-------|

|                                     |        |
|-------------------------------------|--------|
| Clerical assistance in office ..... | 296 25 |
|-------------------------------------|--------|

|                               |            |             |
|-------------------------------|------------|-------------|
| Amounts carried forward ..... | \$7,516 75 | \$11,400 00 |
|-------------------------------|------------|-------------|



## General Government—Continued

## ELECTION EXPENSES—Concluded

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .....                        | \$7,516 75 | \$11,400 00 |
| Labor, filing away returns, etc .....                       | 353 38     |             |
| Janitor at Cambridge Field Shelter.....                     | 8 00       |             |
| Advertising .....   | 987 87     |             |
| Ballots and tally sheets .....                              | 1,121 20   |             |
| Ballot boxes and repairs .....                              | 39 69      |             |
| Binding .....   | 13 48      |             |
| Carpentry .....   | 70 41      |             |
| Carriage and automobile hire.....                           | 444 50     |             |
| Expenses to Pittsfield, investigating voting machines ..... | 14 40      |             |
| Expressage and teaming .....                                | 238 80     |             |
| Lighting at Cambridge Field Shelter.....                    | 4 70       |             |
| Lunches for police and carriage men.....                    | 112 65     |             |
| Mounting lists .....  | 6 86       |             |
| Posting and distributing notices.....                       | 130 10     |             |
| Preparing check lists and precinct books.....               | 59 40      |             |
| Printing .....  | 373 02     |             |
| Rent of hall for returns .....                              | 69 30      |             |
| Serving notices .....                                       | 28 00      |             |
| Signs and sign boards .....                                 | 87 65      |             |
| Stationery, stamps and supplies for booths.....             | 459 88     |             |
| Sundry supplies for repairs .....                           | 7 53       |             |
| Telephone service .....                                     | 65 67      |             |
| Witness fees .....  | 41 50      |             |
| Total .....   |            | 12,254 74   |
| Excess of expenditure over appropriation.....               |            | \$854 74    |
| Transfer from Reserve Fund .....                            |            | 854 74      |

## REGISTRARS OF VOTERS

|   |            |            |
|---|------------|------------|
| Appropriation .....                                 |            | \$4,978 00 |
| EXPENDED  |            |            |
| For salaries of registrars and clerk of board ..... | \$3,039 00 |            |
| Clerical assistance .....                           | 97 00      |            |
| Assistants at recount .....                         | 192 99     |            |
| Advertising .....                                   | 147 74     |            |
| Binding and mounting lists .....                    | 40 67      |            |
| Carriage and automobile hire.....                   | 46 74      |            |
| Expressage .....                                    | 98         |            |
| Laundry .....                                       | 5 29       |            |
| Lighting at Cambridge Field .....                   | 1 56       |            |
| List boards, care and repair of.....                | 108 69     |            |
| Preparing list boards and posting.....              | 51 70      |            |
| Printing voting lists .....                         | 1,036 74   |            |
| Stationery, printing and office supplies.....       | 275 32     |            |
| Teaming .....                                       | 22 84      |            |
| Telephone service .....                             | 42 24      |            |
| Total .....   |            | 5,109 50   |
| Excess of expenditure over appropriation.....       |            | \$131 50   |
| Transfer from Reserve Fund.....                     |            | 131 50     |

## General Government—Continued

## POLLING PLACES.

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$3,000 00 |
|---------------------|------------|

## EXPENDED

|   |          |             |
|---|----------|-------------|
| For janior service .....                                  | \$589 50 |             |
| Fuel, heating apparatus, etc.....                         | 80 09    |             |
| Operating elevator .....                                  | 5 00     |             |
| Rent of halls and use of land for booths.....             | 865 00   |             |
| Sawdust .....   | 1 50     |             |
| Setting up booths and removing same.....                  | 985 08   |             |
| Teaming .....   | 370 48   |             |
| Use of chairs .....                                       | 14 55    |             |
|   | <hr/>    |             |
| Total .....   |          | 2,911 20    |
|   |          | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund..... |          | \$88 80     |
|   |          | <hr/> <hr/> |

## ENGINEERING DEPARTMENT

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$8,600 00 |
|---------------------|------------|

## EXPENDED

|   |            |             |
|---|------------|-------------|
| For salaries of:                              |            |             |
| Engineer .....                                | \$3,000 00 |             |
| Assistant engineers, transitmen and rodmen..  | 5,261 60   |             |
| Clerk .....                                   | 468 00     |             |
|   | <hr/>      |             |
| Total .....                                   |            | 8,729 60    |
|   |            | <hr/>       |
| Excess of expenditure over appropriation..... |            | \$129 60    |
| Transfer from Reserve Fund .....              |            | 129 60      |
|   |            | <hr/> <hr/> |

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$700 00 |
|---------------------|----------|

## EXPENDED

|  |         |             |
|--|---------|-------------|
| For apparatus, instruments and repairs .....               | \$10 30 |             |
| Binding .....  | 5 88    |             |
| Car tickets .....  | 175 00  |             |
| Directory .....  | 6 00    |             |
| Drawing materials .....                                    | 91 91   |             |
| Engineering periodicals .....                              | 12 00   |             |
| Expressage .....   | 1 10    |             |
| Lumber .....   | 3 42    |             |
| Stationery, printing and office supplies .....             | 50 94   |             |
| Sundry supplies .....                                      | 5 86    |             |
| Telephone service .....                                    | 117 48  |             |
|  | <hr/>   |             |
| Total .....  |         | 479 89      |
|  |         | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund ..... |         | \$220 11    |
|  |         | <hr/> <hr/> |

## General Government—Continued

## ENGINEERING DEPARTMENT, GENERAL EXPENSES—Concluded

## SUMMARY—EXPENDED

|                                |            |            |
|--------------------------------|------------|------------|
| For Highways .....             | \$1,314 93 |            |
| Law Department .....           | 74 00      |            |
| Parks .....                    | 520 12     |            |
| Bridges .....                  | 318 00     |            |
| Sidewalks .....                | 114 00     |            |
| General Engineering:           |            |            |
| Accounts .....                 | \$468 00   |            |
| General surveys and levels.... | 392 40     |            |
| Location plans .....           | 143 20     |            |
| Unclassified .....             | 2,384 95   |            |
| City Engineer .....            | 3,000 00   |            |
|                                | <hr/>      |            |
|                                | 6,388 55   |            |
|                                | <hr/>      |            |
|                                |            | \$8,729 60 |
|                                |            | <hr/>      |

## SUPERINTENDENT AND INSPECTOR OF BUILDINGS

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$8,200 00 |
|---------------------|------------|

## EXPENDED

|  |            |          |
|--|------------|----------|
| For salaries of:                               |            |          |
| Superintendent and Inspector of Buildings ...  | \$2,000 00 |          |
| Assistant inspectors .....                     | 2,996 45   |          |
| Inspector of gas .....                         | 46 58      |          |
| Inspection of plumbing .....                   | 1,300 00   |          |
| Inspector pensioned .....                      | 600 00     |          |
| Clerk .....                                    | 1,258 16   |          |
|  | <hr/>      |          |
| Total .....                                    |            | 8,201 19 |
|  |            | <hr/>    |
| Excess of expenditure over appropriation ..... |            | \$1 19   |
| Transfer from Reserve Fund .....               |            | 1 19     |
|  |            | <hr/>    |

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,025 00 |
|---------------------|------------|

## EXPENDED

|  |          |            |
|--|----------|------------|
| For advertising .....                          | \$10 04  |            |
| Architect's fees .....                         | 20 00    |            |
| Car tickets .....                              | 225 00   |            |
| Directory .....                                | 4 50     |            |
| Horse board .....                              | 297 00   |            |
| Horseshoeing .....                             | 41 16    |            |
| Serving notices .....                          | 5 00     |            |
| Stationery, printing and office supplies ..... | 165 00   |            |
| Telephone service .....                        | 96 67    |            |
|  | <hr/>    |            |
| Amounts carried forward .....                  | \$864 37 | \$1,025 00 |

## General Government—Continued

## SUPT. AND INSPECTOR OF BUILDINGS, GENERAL EXPENSES—Concluded

|   |          |            |
|---|----------|------------|
| <i>Amounts brought forward</i> .....                                  | \$864 37 | \$1,025 00 |
| Tower clocks, care and repair of .....                                | 155 00   |            |
| Whitening and patching ceiling, damages<br>caused by inspection ..... | 6 61     |            |
| Badges .....  | 1 96     |            |
| Total .....   |          | 1,027 94   |
| Excess of expenditure over appropriation .....                        |          | \$2 94     |
| Transfer from Reserve Fund .....                                      |          | 2 94       |

## CIVIL SERVICE REGISTRATION

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$325 00 |
|---------------------|----------|

## EXPENDED

|  |          |        |
|--|----------|--------|
| For services of clerk .....                    | \$300 00 |        |
| Stationery .....                               | 26 48    |        |
| Total .....                                    |          | 326 48 |
| Excess of expenditure over appropriation ..... |          | \$2 94 |
| Transfer from Reserve Fund .....               |          | 2 94   |

## CIVIL SERVICE REGISTRATION

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$325 00 |
|---------------------|----------|

## EXPENDED

|  |          |        |
|--|----------|--------|
| For services of clerk .....                    | \$300 00 |        |
| Stationery .....                               | 26 48    |        |
| Total .....                                    |          | 326 48 |
| Excess of expenditure over appropriation ..... |          | \$1 48 |
| Transfer from Reserve Fund .....               |          | 1 48   |

## BOARD OF APPEAL

|                     |         |
|---------------------|---------|
| Appropriation ..... | \$25 00 |
|---------------------|---------|

## EXPENDED

|  |        |         |
|--|--------|---------|
| For service of clerk of board .....                        | \$6 00 |         |
| Total .....  |        | 6 00    |
| Surplus of appropriation transferred to Reserve Fund ..... |        | \$19 00 |



## General Government—Continued

## MUNICIPAL BUILDINGS

## Salaries

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$12,644 00 |
|---------------------|-------------|

## EXPENDED

For salaries of employees:

At City Hall:

|                         |            |            |
|-------------------------|------------|------------|
| Janitor .....           | \$1,196 00 |            |
| Assistant janitor ..... | 858 00     |            |
| Engineer .....          | 1,274 00   |            |
| Firemen .....           | 2,348 49   |            |
| Elevator-men .....      | 915 50     |            |
| Cleaners .....          | 1,274 80   |            |
|                         |            | \$7,866 79 |

At Brattle Sq. Building:

|               |          |          |
|---------------|----------|----------|
| Janitor ..... | \$976 68 |          |
| Firemen ..... | 36 00    |          |
| Cleaner ..... | 468 00   |          |
|               |          | 1,480 68 |

At Central Sq. Building:

|               |            |          |
|---------------|------------|----------|
| Janitor ..... | \$1,040 00 |          |
| Firemen ..... | 312 00     |          |
| Cleaner ..... | 364 00     |          |
|               |            | 1,716 00 |

At Station No. 3 Building:

|               |        |
|---------------|--------|
| Janitor ..... | 832 00 |
|---------------|--------|

At Station No. 4 Building:

|               |        |
|---------------|--------|
| Janitor ..... | 728 00 |
|---------------|--------|

|             |           |
|-------------|-----------|
| Total ..... | 12,623 47 |
|-------------|-----------|

|  |         |
|--|---------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$20 53 |
|--|---------|

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$8,500 00 |
|---------------------|------------|

## EXPENDED

|                            |         |
|----------------------------|---------|
| For boiler insurance ..... | \$80 00 |
|----------------------------|---------|

|                                       |      |
|---------------------------------------|------|
| Dues, Gas Consumers' Association..... | 6 00 |
|---------------------------------------|------|

|            |          |
|------------|----------|
| Fuel ..... | 4,278 22 |
|------------|----------|

Furniture and janitors' supplies:

|                                      |         |        |
|--------------------------------------|---------|--------|
| Ash cans .....                       | \$16 30 |        |
| Brooms, brushes, dusters, mops, etc. | 78 33   |        |
| Chairs, shades, awnings.....         | 109 29  |        |
| Disinfectant .....                   | 6 27    |        |
| Expressage .....                     | 1 77    |        |
| Flash light .....                    | 4 16    |        |
| Ice .....                            | 166 55  |        |
| Mat .....                            | 11 24   |        |
| Oil, waste, polish, etc.....         | 143 18  |        |
| Soap, powder, matches, etc.....      | 70 83   |        |
| Steel cabinet .....                  | 22 05   |        |
| Towels and laundering .....          | 151 17  |        |
| Water heater .....                   | 128 00  |        |
| Water (spring) .....                 | 4 50    |        |
|                                      |         | 913 64 |

|                               |            |            |
|-------------------------------|------------|------------|
| Amounts carried forward ..... | \$5,277 86 | \$8,500 00 |
|-------------------------------|------------|------------|

## General Government—Continued

## MUNICIPAL BUILDINGS, GENERAL EXPENSES—Concluded

|  |            |                |
|--|------------|----------------|
| <i>Amounts brought forward</i> .....               | \$5,277 86 | \$8,500 00     |
| Lighting .....                                     | 1,912 85   |                |
| New flag .....                                     | 3 92       |                |
| Services of watchman at Inman Sq. Fire House ..... | 98 00      |                |
| Repairs and alterations:                           |            |                |
| City Hall .....                                    | \$791 94   |                |
| Brattle Square building .....                      | 625 28     |                |
| Central Square buildings .....                     | 146 66     |                |
| Station No. 3.....                                 | 84 37      |                |
| Station No. 4.....                                 | 144 49     |                |
|  | <hr/>      | 1,792 74       |
| For Armory Troop C:                                |            |                |
| Carpentry and glazing.....                         | \$2 33     |                |
| Gas .....  | 1 44       |                |
| Lockers .....                                      | 63 00      |                |
| Rent .....   | 83 00      |                |
| Telephone service .....                            | 3 43       |                |
|  | <hr/>      | 153 20         |
| Total .....  |            | <hr/> 9,238 57 |
| Excess of expenditure over appropriation.....      |            | \$738 57       |
| Transfer from Reserve Fund .....                   |            | 738 57         |

## FOUNDATION AT BRATTLE SQUARE BUILDING

|  |                |
|--|----------------|
| Appropriation from Reserve Fund .....                      | \$1,000 00     |
| EXPENDED   |                |
| For carpentry .....  | \$77 44        |
| Mason work .....   | 216 63         |
| Shoring building .....                                     | 96 00          |
| Steel lintels .....  | 80 00          |
|  | <hr/>          |
| Total .....  | 470 07         |
| Surplus of appropriation transferred to Reserve Fund ..... | <hr/> \$529 93 |

## ADMINISTRATION OF SINKING FUNDS

|  |          |
|--|----------|
| Appropriation .....                            | \$375 00 |
| EXPENDED                                       |          |
| For salary of treasurer of sinking funds ..... | \$300 00 |
| Rent of safe deposit box .....                 | 80 00    |
|  | <hr/>    |
| Total .....                                    | 380 00   |
| Excess of expenditure over appropriation.....  | \$5 00   |
| Transfer from Reserve Fund.....                | 5 00     |

## "EMERGENCY" INSPECTION OF DANCE HALLS

|  |               |
|--|---------------|
| Appropriation .....  | \$400 00      |
| EXPENDED   |               |
| For salary of inspector.....                               | \$350 00      |
|  | <hr/>         |
| Total .....  | 350 00        |
| Surplus of appropriation transferred to Reserve Fund ..... | <hr/> \$50 00 |

General Government—Concluded

CHARTER COMMISSION

|                     |         |
|---------------------|---------|
| Appropriation ..... | \$92 37 |
| EXPENDED            |         |
| For printing .....  | \$92 37 |
| Total .....         | 92 37   |

PROTECTION OF LIFE AND PROPERTY  
COMMISSIONER OF PUBLIC SAFETY

|   |              |
|---|--------------|
| Appropriation .....                                 | \$364,578 72 |
| EXPENDED  |              |
| For salaries of:                                    |              |
| Commissioner .....                                  | \$3,000 00   |
| Clerk .....   | 1,138 74     |
| Services of stenographer. ....                      | 310 25       |
|   | \$4,448 99   |
| Automobile .....                                    | 1,000 00     |
| Automobile hire .....                               | 410 13       |
| Badges .....  | 109 76       |
| Car tickets .....                                   | 75 00        |
| Damages to dress.....                               | 3 75         |
| Dinners .....                                       | 22 00        |
| Dues, Mass. Police Ass'n.....                       | 50 00        |
| Electric fan .....                                  | 4 90         |
| Expenses to convention... ..                        | \$70 00      |
| Expenses to Springfield... ..                       | 13 00        |
|   | 83 00        |
| Expressage .....                                    | 2 59         |
| Newspaper subscriptions .....                       | 7 50         |
| Office furniture .....                              | 88 92        |
| Plate-glass ventilator .....                        | 15 68        |
| Spring water .....                                  | 1 47         |
| Stationery, printing and office sup-<br>plies ..... | 127 74       |
| Telephone service .....                             | 144 96       |
| Total .....   | \$6,596 39   |

POLICE DIVISION

Salaries

|                                |              |
|--------------------------------|--------------|
| EXPENDED                       |              |
| For salaries of:               |              |
| Chief of police, deceased..... | \$444 06     |
| Chief inspector .....          | 1,462 47     |
| Captains .....                 | 5,849 88     |
| Lieutenants .....              | 10,899 84    |
| Amounts carried forward .....  | \$18,656 25  |
|                                | \$6,596 39   |
|                                | \$364,578 72 |

## Protection of Life and Property—Continued

## COMMISSIONER OF PUBLIC SAFETY, POLICE DIVISION, SALARIES—Concluded

|  |              |            |              |
|--|--------------|------------|--------------|
| <i>Amounts brought forward</i> .....   | \$18,656 25  | \$6,596 39 | \$364,578 72 |
| Inspectors .....   | 2,724 96     |            |              |
| Sergeants .....  | 13,544 08    |            |              |
| Patrolmen .....  | 114,845 10   |            |              |
| Reserve officers .....   | 20,585 75    |            |              |
| Drivers .....  | 6,685 00     |            |              |
| Matrons .....  | 938 56       |            |              |
|  | <hr/>        |            |              |
|  | \$177,979 70 |            |              |
| Pensions .....   | 7,716 10     |            |              |
| Sick leave .....   | 2,266 02     |            |              |
| Allowance by Board of Aldermen<br>and Commissioner of Public<br>Safety ..... | 160 72       |            |              |
|  | <hr/>        |            |              |
| Total .....  |              | 188,122 54 |              |

## General Expenses

## EXPENDED

## For general administration:

|   |          |            |
|---|----------|------------|
| For ambulance hire .....                            | \$216 90 |            |
| Automobile hire .....                               | 49 00    |            |
| Car tickets .....                                   | 450 00   |            |
| Directories .....                                   | 24 50    |            |
| Electrical supplies .....                           | 213 76   |            |
| License for motor cycle .....                       | 4 00     |            |
| List, automobile owners .....                       | 9 80     |            |
| Newspapers and periodicals .....                    | 5 90     |            |
| Photographic supplies .....                         | 72 35    |            |
| Stationery, printing and office sup-<br>plies ..... | 628 39   |            |
| Telegrams .....                                     | 7 04     |            |
| Telephone service .....                             | 427 04   |            |
| Traveling expenses of officers ....                 | 33 65    |            |
|   | <hr/>    | \$2,142 33 |

## Expenses of Station Houses:

|   |          |          |
|---|----------|----------|
| For disinfectant and insecticide ...                        | \$28 17  |          |
| Expressage .....  | 1 97     |          |
| Food .....  | 51 59    |          |
| Furniture and furnishings .....                             | 143 55   |          |
| Heating buildings, Municipal Build-<br>ing Department ..... | 890 00   |          |
| Ice .....   | 89 18    |          |
| Janitors' supplies and sundries ....                        | 56 65    |          |
| Laundry work and towel supply...                            | 106 23   |          |
| Lighting .....  | 1,034 73 |          |
| Medicines .....   | 17 41    |          |
| Oil, matches, etc. ....                                     | 36 81    |          |
|   | <hr/>    | 2,456 29 |

|                                      |              |              |
|--------------------------------------|--------------|--------------|
| <i>Amounts carried forward</i> ..... | \$199,317 55 | \$364,578 72 |
|--------------------------------------|--------------|--------------|



## Protection of Life and Property—Continued

COMMISSIONER OF PUBLIC SAFETY, POLICE DIVISION, GENERAL EXPENSES  
—Concluded

Amounts brought forward ..... \$199,317 55    \$364,578 72

## For Equipment and Repairs: .

|                                    |          |          |
|------------------------------------|----------|----------|
| Bicycle repairs .....              | \$5 38   |          |
| Grappling hooks .....              | 7 55     |          |
| Harness repairs and horse clothing | 65 37    |          |
| Lanterns .....                     | 7 92     |          |
| Sponges .....                      | 22 29    |          |
| Hose .....                         | 2 55     |          |
| Wagon and ambulance repairs ....   | 166 88   |          |
| Chassis for patrol wagon .....     | 1,000 00 |          |
| Motor cycle and repairs .....      | 363 04   |          |
|                                    | <hr/>    | 1,640 98 |

## Officers' Equipment:

|                                   |         |          |
|-----------------------------------|---------|----------|
| Badges .....                      | \$27 68 |          |
| Belts .....                       | 24 37   |          |
| Billies .....                     | 9 02    |          |
| Caps .....                        | 3 43    |          |
| Clock repairs .....               | 2 94    |          |
| Cloth and cutting .....           | 817 68  |          |
| Collars .....                     | 5 90    |          |
| Finger-print plates .....         | 4 90    |          |
| Firearms .....                    | 152 64  |          |
| Handcuffs .....                   | 2 94    |          |
| Numbers, buttons and trimmings .. | 46 34   |          |
|                                   | <hr/>   | 1,097 84 |

## Horses and care of same:

|                                   |         |        |
|-----------------------------------|---------|--------|
| Horse hire .....                  | \$28 42 |        |
| Horseshoeing, clipping, etc. .... | 254 28  |        |
| Hay, grain, straw, etc. ....      | 704 40  |        |
|                                   | <hr/>   | 987 10 |

## Miscellaneous expenses:

|                                 |        |       |
|---------------------------------|--------|-------|
| Damages to clothing .....       | \$2 75 |       |
| Decorating Station House .....  | 14 70  |       |
| Medical attention .....         | 54 98  |       |
| Removing flag, Cambridge Common | 14 70  |       |
|                                 | <hr/>  | 87 13 |

## FIRE DIVISION

## Salaries

## EXPENDED

## For salaries of:

|                                |            |
|--------------------------------|------------|
| Chief engineer .....           | \$2,312 49 |
| Assistant chief engineer ..... | 1,812 46   |
| Permanent men .....            | 116,689 64 |
| Call men .....                 | 7,148 45   |

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\$127,963 04

|                |          |
|----------------|----------|
| Pensions ..... | 9,451 40 |
|----------------|----------|

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Total ..... 137,414 44

Amounts carried forward ..... \$340,545 04    \$364,578 72

## Protection of Life and Property—Continued

## COMMISSIONER OF PUBLIC SAFETY, FIRE DIVISION—Concluded

Amounts brought forward ..... \$340,545 04    \$364,578 72

## General Expenses

## EXPENDED

## For general administration:

|  |         |
|--|---------|
| For auto hire .....                            | \$25 00 |
| Directories .....                              | 8 00    |
| Expenses to convention .....                   | 70 00   |
| Lunches .....                                  | 2 94    |
| Safe .....                                     | 150 00  |
| Stationery, printing and office supplies ..... | 205 51  |
| Subscriptions .....                            | 6 25    |
| Telephone service .....                        | 61 08   |

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528 78

## Expenses of fire houses:

|                                  |        |
|----------------------------------|--------|
| Cleaning trees in yard .....     | \$0 84 |
| Disinfectant .....               | 45 81  |
| Dues .....                       | 2 20   |
| Expressage .....                 | 2 45   |
| Furniture .....                  | 451 81 |
| Ice .....                        | 64 50  |
| Inspection of boilers .....      | 21 00  |
| Janitors' supplies .....         | 156 95 |
| Laundry work .....               | 344 32 |
| Medicine cabinets .....          | 151 47 |
| Polish .....                     | 83 84  |
| Soap, powder, matches, etc. .... | 107 23 |

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1,432 42

## Fuel and light:

|  |            |
|--|------------|
| Coal and wood .....                                  | \$2 740 74 |
| Heating buildings, Municipal Buildings account ..... | 375 00     |
| Lighting .....                                       | 871 89     |
| Oil .....  | 104 46     |
| Shavings .....                                       | 71 02      |

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4,163 11

## Equipment and repairs:

|                                  |          |
|----------------------------------|----------|
| Chemical supplies .....          | \$171 36 |
| Engines, wagons and trucks ..... | 4,389 68 |
| Extinguishers .....              | 40 91    |
| Hats .....                       | 14 36    |
| Harness and horse clothing ..... | 229 75   |
| Hose and fittings .....          | 1,166 25 |
| Insignia .....                   | 82 00    |
| Lanterns, torches .....          | 58 47    |
| Pulmotor .....                   | 164 15   |
| Pump .....                       | 4 90     |
| Rope .....                       | 5 00     |
| Sponges .....                    | 114 02   |
| Miscellaneous tools .....        | 10 21    |

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6,451 06

Amounts carried forward ..... \$353,120 41    \$364,578 72

## Protection of Life and Property—Continued

COMMISSIONER OF PUBLIC SAFETY, FIRE DIVISION, GENERAL EXPENSES—  
Concluded

Amounts brought forward ..... \$353,120 41    \$364,578 72

## Horses and care of same:

|                                 |            |           |
|---------------------------------|------------|-----------|
| Horses .....                    | \$1,202 00 |           |
| Horse hire .....                | 17 00      |           |
| Horse board .....               | 185 00     |           |
| Horseshoeing and clipping ..... | 2,078 36   |           |
| Hay, grain and straw .....      | 7,017 74   |           |
|                                 | <hr/>      | 10,500 10 |

## Repairs to buildings:

|                                    |         |        |
|------------------------------------|---------|--------|
| Carpentry .....                    | \$84 05 |        |
| Electrical supplies .....          | 120 10  |        |
| Fences .....                       | 26 25   |        |
| Glazing .....                      | 13 64   |        |
| Heating apparatus and supplies ... | 79 07   |        |
| Lumber .....                       | 295 74  |        |
| Masonry .....                      | 59 63   |        |
| Painting .....                     | 13 72   |        |
| Plastering .....                   | 12 49   |        |
| Plumbing .....                     | 42 82   |        |
| Roof repairs .....                 | 17 62   |        |
| Supplies for repairs .....         | 153 28  |        |
|                                    | <hr/>   | 918 41 |

## Miscellaneous expenses:

|                                 |         |       |
|---------------------------------|---------|-------|
| For decoration of station ..... | \$25 00 |       |
| Services of physician .....     | 5 00    |       |
|                                 | <hr/>   | 30 00 |

Total ..... 

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 364,568 92

Surplus of appropriation transferred to Reserve Fund ..... 

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 \$9 80

## NEW ENGINE HOUSE, INMAN SQUARE

|                                      |             |
|--------------------------------------|-------------|
| Appropriation brought from 1913..... | \$45,000 00 |
| Additional appropriation .....       | 10,000 00   |
|                                      | <hr/>       |
|                                      | \$55,000 00 |

## EXPENDED

|   |           |
|---|-----------|
| For labor, as per payroll .....             | \$198 38  |
| Advertising .....                           | 9 30      |
| Architect fees .....                        | 2,435 55  |
| Carpentry at Hampshire St. yard.....        | 7,493 89  |
| Contract for building .....                 | 41,838 47 |
| Electrical work .....                       | 466 41    |
| Filter and fittings for gasoline tank ..... | 116 80    |
| Fuel .....                                  | 38 28     |
| Furniture and furnishings .....             | 795 63    |
| Iron work .....                             | 22 00     |
| Lighting .....                              | 27 35     |
| Lumber .....                                | 19 48     |
| Miscellaneous supplies .....                | 40 04     |
|   | <hr/>     |

Amounts carried forward ..... \$53,501 58    \$55,000 00



Protection of Life and Property—Continued

NEW ENGINE HOUSE, INMAN SQUARE—Concluded

|                                |             |             |
|--------------------------------|-------------|-------------|
| Amounts brought forward .....  | \$53,501 58 | \$55,000 00 |
| Plumbing .....                 | 205 25      |             |
| Teaming, as per payroll .....  | 42 00       |             |
|                                | <hr/>       |             |
| Total .....                    |             | 53,748 83   |
|                                |             | <hr/>       |
| Balance of appropriation ..... |             | \$1,251 17  |
|                                |             | <hr/>       |

NEW FIRE ESCAPE, MERRILL SCHOOL

|   |            |
|---|------------|
| Appropriation from New Wing High and Latin School ..... | \$2,000 00 |
|---|------------|

EXPENDED

|                                |         |            |
|--------------------------------|---------|------------|
| For advertising .....          | \$11 76 |            |
|                                | <hr/>   |            |
| Total .....                    |         | 11 76      |
|                                |         | <hr/>      |
| Balance of appropriation ..... |         | \$1,988 24 |
|                                |         | <hr/>      |

NEW APPARATUS

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$11,000 00 |
|---------------------|-------------|

EXPENDED

|                                |          |            |
|--------------------------------|----------|------------|
| For Chief's car .....          | \$500 00 |            |
| Knox chassis .....             | 4,100 00 |            |
|                                | <hr/>    |            |
| Total .....                    |          | 4,600 00   |
|                                |          | <hr/>      |
| Balance of appropriation ..... |          | \$6,400 00 |
|                                |          | <hr/>      |

FIRE ALARM AND POLICE TELEGRAPH AND INSPECTION OF WIRES

Salaries

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$12,316 00 |
|---------------------|-------------|

EXPENDED

|   |            |           |
|---|------------|-----------|
| For salaries of:  |            |           |
| Inspector of wires (one-half salary).....                 | \$1,000 00 |           |
| Assistant inspector .....                                 | 1,300 00   |           |
| Foreman of repair gang .....                              | 1,368 25   |           |
| Instrument man .....                                      | 1,354 77   |           |
| Lineman .....   | 1,181 92   |           |
| Troubleman .....  | 2,342 39   |           |
| Groundman .....   | 956 63     |           |
| Batteryman .....  | 901 00     |           |
| Operators .....   | 1,910 39   |           |
|   | <hr/>      |           |
| Total .....   |            | 12,315 35 |
|   |            | <hr/>     |
| Surplus of appropriation transferred to Reserve Fund..... |            | \$ 65     |
|   |            | <hr/>     |



Protection of Life and Property—Continued

FIRE ALARM AND POLICE, TELEGRAPH AND INSPECTION OF WIRES—  
Concluded

General Expenses

Appropriation ..... \$3,500 00

EXPENDED

|   |         |
|---|---------|
| Advertising .....   | \$24 00 |
| Automobile registration .....   | 5 00    |
| Automobile supplies and repairs.....  | 268 80  |
| Batteries and battery supplies .....  | 282 67  |
| Car tickets .....   | 200 00  |
| Carpentry and lumber .....  | 14 92   |
| Electrical supplies .....   | 67 12   |
| Expenses of committee to Springfield to investigate<br>fire alarm apparatus ..... | 243 70  |
| Expenses to convention, etc.....  | 170 00  |
| Express and freight .....   | 27 32   |
| Fire alarm boxes, parts and apparatus.....  | 350 04  |
| Harness and repairs .....   | 9 61    |
| Horse board and use of horse.....   | 406 00  |
| Horseshoeing .....  | 30 38   |
| Ice .....   | 16 75   |
| Laundry .....   | 6 88    |
| Lighting office .....   | 46 77   |
| Services of stenographer .....  | 72 85   |
| Stationery, printing, etc.....  | 116 88  |
| Steam for whistle.....  | 50 00   |
| Sundry supplies .....   | 60 06   |
| Whistle, striker and motor repairs.....   | 2 88    |
| Wire and line material .....  | 967 05  |
| Telephone service .....   | 157 61  |

Total ..... 3,597 29

Excess of expenditure over appropriation..... \$97 29  
Transferred from Reserve Fund ..... 97 29

FIRE ALARM SIGNAL BOXES

Appropriation ..... \$600 00

EXPENDED

|                          |          |
|--------------------------|----------|
| Fire alarm boxes .....   | \$550 00 |
| Transmitter wheels ..... | 12 50    |
| Keyless doors .....      | 25 00    |

Total ..... 587 50

Surplus of appropriation transferred to Reserve Fund..... \$12 50

## Protection of Life and Property—Continued

## MILITIA—USE OF RIFLE RANGE AND TRANSPORTATION

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,175 00 |
|---------------------|------------|

## EXPENDED

|   |          |             |
|---|----------|-------------|
| By Headquarters Eighth Regiment:              |          |             |
| For use of rifle range.....                   | \$267 31 |             |
| By Company A, Eighth Regiment:                |          |             |
| For use of rifle range.....                   | \$106 13 |             |
| Transportation .....                          | 118 50   |             |
|   | <hr/>    | 224 63      |
| By Company C. Eighth Regiment:                |          |             |
| For use of rifle range .....                  | \$184 88 |             |
| Transportation .....                          | 107 65   |             |
|   | <hr/>    | 292 53      |
| By Company E, Eighth Regiment:                |          |             |
| For use of rifle range.....                   | \$100 00 |             |
| Transportation .....                          | 122 25   |             |
|   | <hr/>    | 222 25      |
| By Company 6, Corps Coast Artillery:          |          |             |
| For use of rifle range .....                  | \$100 00 |             |
| Transportation .....                          | 172 01   |             |
|   | <hr/>    | 272 01      |
| For Troop C, M. V. M.:                        |          |             |
| For use of rifle range.....                   | \$209 72 |             |
| Transportation .....                          | 25 84    |             |
|   | <hr/>    | 235 56      |
|   | <hr/>    |             |
| Total .....                                   |          | 1,514 29    |
| Excess of expenditure over appropriation..... |          | \$339 29    |
| Transfer from Reserve Fund .....              |          | 329 29      |
|   |          | <hr/> <hr/> |

## SEALER OF WEIGHTS AND MEASURES

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$4,500 00 |
|---------------------|------------|

## EXPENDED

|   |             |
|---|-------------|
| For salaries of:  |             |
| Sealer of weights and measures.....                       | \$1,300 00  |
| Deputies .....  | 2,100 00    |
| Assistant deputies .....                                  | 914 40      |
|   | <hr/>       |
| Total .....   | 4,314 40    |
| Surplus of appropriation transferred to Reserve Fund..... | \$185 60    |
|   | <hr/> <hr/> |

## Protection of Life and Property—Concluded

## SEALER OF WEIGHTS AND MEASURES—Concluded

## GENERAL EXPENSES

|   |          |
|---|----------|
| Appropriations .....                                | \$676 00 |
| Transfer to Street Dept., for board of horses ..... | 216 00   |
|   | <hr/>    |
|   | \$460 00 |

## EXPENDED

|  |             |
|--|-------------|
| For advertising .....                                      | \$9 80      |
| Car tickets .....  | 40 00       |
| Expenses to convention .....                               | 42 75       |
| Equipment and repairs.....                                 | 143 33      |
| Harness and wagon repairs .....                            | 33 73       |
| Horseshoeing .....   | 17 70       |
| Photographs .....  | 1 96        |
| Soap .....   | 2 96        |
| Stationery, printing and office supplies .....             | 64 04       |
| Telephone service .....                                    | 22 10       |
| Typewriting .....  | 3 09        |
|  | <hr/>       |
| Total .....  | 381 46      |
|  | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund ..... | \$78 54     |
|  | <hr/> <hr/> |

## FORESTRY

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$15,500 00 |
|---------------------|-------------|

## EXPENDED

|   |             |
|---|-------------|
| For labor, as per payroll .....                           | \$12,623 19 |
| Arsenate of lead .....                                    | 392 70      |
| Blacksmithing .....                                       | 6 68        |
| Creosote .....  | 18 50       |
| Electrical supplies for machinery.....                    | 74 02       |
| Expenses to Worcester to inspect trees.....               | 2 00        |
| Fence repairs .....                                       | 14 70       |
| Harness and repairs .....                                 | 9 75        |
| Hose .....  | 54 40       |
| Ladders and repairs .....                                 | 57 35       |
| Loam and filling .....                                    | 330 66      |
| Oil and gasoline .....                                    | 53 25       |
| Sharpening saws .....                                     | 26 37       |
| Special treatment for shade trees.....                    | 125 25      |
| Stationery, printing, etc. ....                           | 37 87       |
| Tools, hardware, etc.....                                 | 105 44      |
| Trees .....   | 578 26      |
| Tree poles .....  | 132 40      |
| Wagon repairs .....                                       | 4 02        |
| Wire netting .....  | 275 46      |
| Teaming, as per payroll .....                             | 546 75      |
|   | <hr/>       |
| Total .....   | 15,469 02   |
|   | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund..... | \$30 98     |
|   | <hr/> <hr/> |

# HEALTH AND SANITATION

## BOARD OF HEALTH EXPENSES

### Salaries

Appropriation ..... \$16,150 00

### EXPENDED

#### For salaries of:

|                                 |            |
|---------------------------------|------------|
| Medical Inspector .....         | \$2,000 00 |
| Bacteriologist .....            | 1,080 00   |
| Sanitary Inspectors .....       | 2,642 18   |
| Plumber .....                   | 1,100 00   |
| Inspector of Provisions .....   | 1,500 00   |
| Inspector of Slaughtering ..... | 240 00     |
| Driver .....                    | 988 00     |
| Social Worker .....             | 780 00     |
| School Nurse .....              | 1,066 57   |
| Assistant School Nurse .....    | 656 72     |
| School Inspectors .....         | 2,000 00   |
| Clerk .....                     | 1,150 14   |
| Secretary .....                 | 936 00     |

Total ..... 16,139 61

Surplus of appropriation transferred to Reserve Fund..... \$10 39

## GENERAL EXPENSES AND HOSPITALS

Appropriation ..... \$36,174 00

Additional appropriation (Emergency), 1914 taxes..... 2,500 00

Total appropriation ..... \$38,674 00

### EXPENDED

#### For general expenses:

|                                  |         |
|----------------------------------|---------|
| Advertising .....                | \$89 14 |
| Ambulance and wagon repairs..... | 41 45   |
| Automobile hire .....            | 122 99  |
| Burning dead animals.....        | 64 50   |
| Car tickets .....                | 600 00  |

#### Care of tuberculosis patients:

|                              |          |
|------------------------------|----------|
| By other cities and towns..  | \$681 80 |
| By Commonwealth .....        | 213 35   |
| In private institutions .... | 30 86    |

926 01

#### Care of other contagious diseases:

|                              |            |
|------------------------------|------------|
| By other cities and towns..  | \$1,590 50 |
| In private institutions .... | 4,809 45   |

6,399 95

Cash expended investigating cases.. 99

Cleaning trees ..... 5 21

Amounts carried forward ..... \$8,250 24 \$38,674 00



## Health and Sanitation—Continued

## GENERAL EXPENSES AND HOSPITALS—Continued

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .....                | \$8,250 24 | \$38,674 00 |
| Collecting cultures .....                           | 142 65     |             |
| Directories .....                                   | 8 33       |             |
| Disinfecting apparatus and repairs.                 | 139 65     |             |
| Expenses incurred in committing<br>insane man ..... | 3 00       |             |
| Expressage .....                                    | 1 93       |             |
| Harness repairs and horse clothing.                 | 2 69       |             |
| Horse board and storage of ambu-<br>lance .....     | 294 00     |             |
| Horseshoeing and clipping .....                     | 58 81      |             |
| Ice .....   | 57 46      |             |
| Laboratory supplies .....                           | 221 61     |             |
| Office furniture .....                              | 30 00      |             |
| Public sanitary supplies and repairs                | 67 11      |             |
| Serving notices .....                               | 64 13      |             |
| Serum .....   | 70 36      |             |
| Stable supplies .....                               | 2 74       |             |
| Stationery, printing and office sup-<br>plies ..... | 483 91     |             |
| Telephone service .....                             | 104 02     |             |
| Typewriter supplies and repairs....                 | 9 50       |             |

Total for general expenses..... \$10,012 14

## Diphtheria Hospital:

## Salaries of:

|                     |            |            |
|---------------------|------------|------------|
| Physician .....     | \$1,200 00 |            |
| Matron .....        | 780 00     |            |
| Nurses .....        | 1,688 81   |            |
| Houseman .....      | 795 00     |            |
| House servant ..... | 306 00     |            |
| Cooks .....         | 357 00     |            |
| Laundress .....     | 330 00     |            |
|                     |            | \$5,456 81 |

|  |          |          |
|--|----------|----------|
| Clothing and dry goods....                   | \$8 51   |          |
| Employment agency fee...                     | 3 58     |          |
| Fertilizer .....                             | 12 50    |          |
| Fuel .....                                   | 229 53   |          |
| Furniture and furnishings                    | 46 56    |          |
| Hardware & misc. supplies                    | 10 85    |          |
| Ice .....                                    | 61 39    |          |
| Laundry supplies .....                       | 26 45    |          |
| Lighting .....                               | 81 84    |          |
| Maintenance and repair<br>of buildings ..... | 23 98    |          |
| Medical & surgical supplies                  | 96 93    |          |
| Spring water .....                           | 12 25    |          |
| Stationery, printing, etc...                 | 16 89    |          |
| Subsistence supplies .....                   | 1,671 32 |          |
| Telephone service .....                      | 48 35    |          |
|  |          | 2,350 93 |

Total for Diphtheria Hospital..... 7,807 74

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| <i>Amounts carried forward</i> ..... | \$17,819 88 | \$38,674 00 |
|--------------------------------------|-------------|-------------|

## Health and Sanitation—Continued

## GENERAL EXPENSES AND HOSPITALS--Concluded

Amounts brought forward ..... \$17,819 88      \$38,674 00

## Tuberculosis Hospital:

## Salaries of:

|                           |            |            |
|---------------------------|------------|------------|
| Physician .....           | \$1,200 00 |            |
| Throat specialist .....   | 400 00     |            |
| Interne .....             | 180 00     |            |
| Nurses .....              | 3,023 14   |            |
| Cooks .....               | 787 00     |            |
| Dishwasher, .....         | 324 00     |            |
| Labor, sifting ashes..... | 12 38      |            |
| Laundress .....           | 478 00     |            |
| Maid .....                | 312 00     |            |
| Scrub women .....         | 371 00     |            |
| Care takers .....         | 606 85     |            |
| Night watchman .....      | 557 15     |            |
|                           | <hr/>      | \$8,251 52 |

|  |        |        |
|--|--------|--------|
| Advertising .....                        | \$3 92 |        |
| Room for nurse outside<br>hospital ..... | 176 00 |        |
|  | <hr/>  | 179 92 |

|  |  |        |
|--|--|--------|
| Care and repairs, building and grounds |  | 732 72 |
|--|--|--------|

|   |        |  |
|---|--------|--|
| Crockery and household<br>furnishings ..... | 160 50 |  |
|---|--------|--|

|                    |       |  |
|--------------------|-------|--|
| Disinfectant ..... | 57 17 |  |
|--------------------|-------|--|

|               |      |  |
|---------------|------|--|
| Express ..... | 2 53 |  |
|---------------|------|--|

|            |          |  |
|------------|----------|--|
| Fuel ..... | 1,230 98 |  |
|------------|----------|--|

|                            |        |  |
|----------------------------|--------|--|
| Furniture and furnishings. | 481 35 |  |
|----------------------------|--------|--|

|                |       |  |
|----------------|-------|--|
| Hen feed ..... | 26 21 |  |
|----------------|-------|--|

|           |        |  |
|-----------|--------|--|
| Ice ..... | 224 06 |  |
|-----------|--------|--|

|                 |       |  |
|-----------------|-------|--|
| Insurance ..... | 97 00 |  |
|-----------------|-------|--|

|                |        |  |
|----------------|--------|--|
| Lighting ..... | 316 90 |  |
|----------------|--------|--|

|                           |        |  |
|---------------------------|--------|--|
| Machinery for washing.... | 305 35 |  |
|---------------------------|--------|--|

|  |        |  |
|--|--------|--|
| Medical and surgical sup-<br>plies ..... | 536 15 |  |
|--|--------|--|

|           |       |  |
|-----------|-------|--|
| Oil ..... | 16 23 |  |
|-----------|-------|--|

|                             |        |  |
|-----------------------------|--------|--|
| Paper napkins, bags, etc... | 138 81 |  |
|-----------------------------|--------|--|

|                           |        |  |
|---------------------------|--------|--|
| Soap and laundry supplies | 171 24 |  |
|---------------------------|--------|--|

|                       |        |  |
|-----------------------|--------|--|
| Stationery, etc. .... | 101 18 |  |
|-----------------------|--------|--|

|                            |          |  |
|----------------------------|----------|--|
| Subsistence supplies ..... | 8,312 24 |  |
|----------------------------|----------|--|

|                         |       |           |
|-------------------------|-------|-----------|
| Telephone service ..... | 78 08 |           |
|                         | <hr/> | 12,255 98 |

|                                      |             |
|--------------------------------------|-------------|
| Total for Tuberculosis Hospital..... | \$21,240 22 |
|--------------------------------------|-------------|

|   |             |
|---|-------------|
| Total for general expenses and hospitals..... | \$39,060 10 |
|---|-------------|

|   |          |
|---|----------|
| Excess of expenditure over appropriation..... | \$386 10 |
|---|----------|

|                                 |        |
|---------------------------------|--------|
| Transfer from Reserve Fund..... | 386 10 |
|---------------------------------|--------|

## Health and Sanitation—Continued

## ADDITION TO HOSPITAL

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$91,655 21 |
|---------------------|-------------|

## EXPENDED

|                              |            |
|------------------------------|------------|
| Plastering exterior .....    | \$1,983 50 |
| Extra work on contract ..... | 21 20      |

|             |          |
|-------------|----------|
| Total ..... | 2,004 70 |
|-------------|----------|

|                                |             |
|--------------------------------|-------------|
| Surplus of appropriation ..... | \$89,650 51 |
|--------------------------------|-------------|

## INSPECTION OF MILK AND VINEGAR

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,355 00 |
|---------------------|------------|

## EXPENDED

|                                   |                   |
|-----------------------------------|-------------------|
| For salary of inspector .....     | \$1,200 00        |
| Collector of samples .....        | 780 00            |
| Substitute during vacations ..... | 30 00             |
|                                   | <u>\$2,010 00</u> |

|                   |         |
|-------------------|---------|
| Cabinet bag ..... | \$12 74 |
|-------------------|---------|

|                   |       |
|-------------------|-------|
| Car tickets ..... | 30 00 |
|-------------------|-------|

|  |      |
|--|------|
| Cash expended collecting<br>samples of ice cream | 2 45 |
|--|------|

|               |      |
|---------------|------|
| Express ..... | 1 69 |
|---------------|------|

|                       |      |
|-----------------------|------|
| Distilled water ..... | 3 17 |
|-----------------------|------|

|  |       |
|--|-------|
| Laboratory supplies and<br>apparatus ..... | 95 44 |
|--|-------|

|                      |      |
|----------------------|------|
| Locks and keys ..... | 5 24 |
|----------------------|------|

|                              |       |
|------------------------------|-------|
| Stationery, printing, etc... | 64 61 |
|------------------------------|-------|

|                    |      |
|--------------------|------|
| Whitewashing ..... | 8 00 |
|--------------------|------|

|  |               |
|--|---------------|
|  | <u>223 34</u> |
|--|---------------|

|             |          |
|-------------|----------|
| Total ..... | 2,233 34 |
|-------------|----------|

|  |          |
|--|----------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$121 66 |
|--|----------|

## INSPECTION OF ANIMALS

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$850 00 |
|---------------------|----------|

## EXPENDED

|                           |          |
|---------------------------|----------|
| Salary of inspector ..... | \$701 09 |
|---------------------------|----------|

|                   |         |
|-------------------|---------|
| Car tickets ..... | \$10 00 |
|-------------------|---------|

|                             |       |
|-----------------------------|-------|
| Medicine and bandages ..... | 74 00 |
|-----------------------------|-------|

|                       |      |
|-----------------------|------|
| Stationery, etc. .... | 4 55 |
|-----------------------|------|

|  |              |
|--|--------------|
|  | <u>88 55</u> |
|--|--------------|

|             |        |
|-------------|--------|
| Total ..... | 789 64 |
|-------------|--------|

|  |         |
|--|---------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$60 36 |
|--|---------|

## MODIFIED MILK

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,400 00 |
|---------------------|------------|

## EXPENDED

|                                    |          |
|------------------------------------|----------|
| For services, modifying milk ..... | \$184 00 |
|------------------------------------|----------|

|  |        |
|--|--------|
| Services of nurses at distributing stations .... | 195 00 |
|--|--------|

|                               |          |            |
|-------------------------------|----------|------------|
| Amounts carried forward ..... | \$379 00 | \$1,400 00 |
|-------------------------------|----------|------------|

Health and Sanitation—Continued

MODIFIED MILK—Concluded

|  |             |            |
|--|-------------|------------|
| Amounts brought forward .....                  | \$379 00    | \$1,400 00 |
| Services, washing and filling bottles .....    | 77 50       |            |
| Delivering milk .....                          | 134 50      |            |
| Apparatus, repairs and supplies .....          | 59 96       |            |
| Express .....                                  | 1 48        |            |
| Milk, sugar of milk, etc. ....                 | 719 14      |            |
| Signs .....                                    | 14 70       |            |
| Stationery, etc. ....                          | 24 37       |            |
|  | <hr/>       |            |
| Total .....                                    |             | 1,410 65   |
|  | <hr/>       |            |
| Excess of expenditure over appropriation ..... |             | \$10 65    |
| Transferred from Reserve Fund .....            |             | 10 65      |
|  | <hr/> <hr/> |            |

SEWER DEPARTMENT MAINTENANCE

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$20,000 00 |
|---------------------|-------------|

EXPENDED

|   |             |             |
|---|-------------|-------------|
| For salaries of:                          |             |             |
| Superintendent of Sewers .....            | \$2,000 00  |             |
| Clerk .....                               | 468 00      |             |
|   | <hr/>       |             |
|   |             | 2,468 00    |
| Labor, as per payroll .....               | 10,417 16   |             |
| Advertising .....                         | 8 08        |             |
| Automobile registration and license ..... | 34 00       |             |
| Automobile supplies and repairs .....     | 784 31      |             |
| Blacksmithing .....                       | 12 69       |             |
| Bricks .....                              | 101 04      |             |
| Car tickets .....                         | 60 00       |             |
| Carriage and wagon repairs .....          | 158 88      |             |
| Catch basin traps .....                   | 44 10       |             |
| Cleaning catch basins .....               | 3,587 00    |             |
| Damages to automobile .....               | 60 96       |             |
| Express .....                             | 89          |             |
| Frames, grates and covers .....           | 146 89      |             |
| Fuel .....                                | 25 92       |             |
| Gasoline tank .....                       | 35 00       |             |
| Gravel, sand, etc. ....                   | 13 97       |             |
| Harness and repairs .....                 | 53 77       |             |
| Hay, grain and straw .....                | 593 18      |             |
| Horses (new) .....                        | 179 94      |             |
| Horseshoeing .....                        | 148 06      |             |
| Hose and repairs .....                    | 4 02        |             |
| House repairs .....                       | 50 62       |             |
| Lighting .....                            | 9 60        |             |
| Lumber and milling .....                  | 25 72       |             |
| Manhole covers .....                      | 22 91       |             |
| Oil and gasoline .....                    | 12 24       |             |
| Pipes and fittings .....                  | 31 70       |             |
| Rubber boots and clothing .....           | 55 37       |             |
|   | <hr/>       |             |
| Amounts carried forward .....             | \$19,146 02 | \$20,000 00 |



## Health and Sanitation—Continued

## SEWER DEPARTMENT MAINTENANCE—Continued

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .....   | \$19,146 02 | \$20,000 00 |
| Sharpening tools .....                 | 7 59        |             |
| Stationery and office supplies .....   | 46 95       |             |
| Repairs to sundry streets .....        | 43 27       |             |
| Teaming, as per payroll .....          | 373 38      |             |
| Telephone service .....                | 62 03       |             |
| Tools and miscellaneous supplies ..... | 65 32       |             |
| Water pipe repairs .....               | 42 00       |             |

|             |  |           |
|-------------|--|-----------|
| Total ..... |  | 19,786 56 |
|-------------|--|-----------|

|  |  |          |
|--|--|----------|
| Surplus of appropriation transferred to Reserve Fund ..... |  | \$213 44 |
|--|--|----------|

## SUMMARY—EXPENDED

## For repairing catch basins:

|                |          |            |
|----------------|----------|------------|
| Labor .....    | \$783 31 |            |
| Teaming .....  | 24 38    |            |
| Supplies ..... | 266 06   |            |
|                |          | \$1,073 75 |

## Cleaning catch basins:

|                |            |          |
|----------------|------------|----------|
| Labor .....    | \$2,578 29 |          |
| Teaming .....  | 7 50       |          |
| Supplies ..... | 3,646 19   |          |
|                |            | 6,231 98 |

## Cleaning sumps:

|                |          |        |
|----------------|----------|--------|
| Labor .....    | \$287 56 |        |
| Supplies ..... | 28 00    |        |
|                |          | 315 56 |

## Cleaning and flushing sewers:

|                |            |          |
|----------------|------------|----------|
| Labor .....    | \$1,426 45 |          |
| Teaming .....  | 335 50     |          |
| Supplies ..... | 110 00     |          |
|                |            | 1,871 95 |

## Cleaning and repairing gates:

|                |          |        |
|----------------|----------|--------|
| Labor .....    | \$960 57 |        |
| Supplies ..... | 9 33     |        |
|                |          | 969 90 |

## Manhole repairs:

|                |          |        |
|----------------|----------|--------|
| Labor .....    | \$181 50 |        |
| Teaming .....  | 1 50     |        |
| Supplies ..... | 28 13    |        |
|                |          | 211 13 |

## General expenses:

|                                |            |          |
|--------------------------------|------------|----------|
| Salary of superintendent ..... | \$2,000 00 |          |
| Labor .....                    | 2,602 47   |          |
| Teaming .....                  | 3 00       |          |
| Supplies .....                 | 1,510 14   |          |
|                                |            | 6,115 61 |

## Office expenses:

|                |          |        |
|----------------|----------|--------|
| Labor .....    | \$468 00 |        |
| Supplies ..... | 46 22    |        |
|                |          | 514 22 |

|                                     |             |  |
|-------------------------------------|-------------|--|
| <i>Amount carried forward</i> ..... | \$17,304 10 |  |
|-------------------------------------|-------------|--|

Health and Sanitation—Continued

SEWER DEPARTMENT MAINTENANCE—Concluded

|                              |             |                    |
|------------------------------|-------------|--------------------|
| Amount brought forward ..... | \$17,304 10 |                    |
| Sewer repairs:               |             |                    |
| Labor .....                  | \$515 14    |                    |
| Teaming .....                | 1 50        |                    |
| Supplies .....               | 82 12       |                    |
|                              |             | 598 76             |
| Stable account:              |             |                    |
| Labor .....                  | \$959 68    |                    |
| Supplies .....               | 924 02      |                    |
|                              |             | 1,883 70           |
| Total .....                  |             | <u>\$19,786 56</u> |

SEWER DEPARTMENT—CONSTRUCTION GENERAL.

|                                      |                    |
|--------------------------------------|--------------------|
| Appropriation brought from 1913..... | \$1,816 79         |
| Additional appropriation .....       | 31,000 00          |
|                                      | <u>32,816 79</u>   |
| Reappropriation of revenue .....     | 2,520 18           |
|                                      | <u>\$35,336 97</u> |

EXPENDED

|  |                    |                    |
|--|--------------------|--------------------|
| For labor as per payroll .....                                   | \$22,404 45        |                    |
| Engineering, as per payroll .....                                | 671 00             |                    |
| Advertising .....  | 3 18               |                    |
| Automobile (new) .....   | 225 00             |                    |
| Automobile repairs .....   | 3 28               |                    |
| Blacksmithing .....  | 157 14             |                    |
| Bricks .....   | 518 83             |                    |
| Catch basin traps .....  | 132 30             |                    |
| Cement .....   | 1,198 47           |                    |
| Frames, grates and covers.....                                   | 399 54             |                    |
| Freight and express .....  | 57 80              |                    |
| Fuel .....   | 18 01              |                    |
| Gravel, sand, etc. ....  | 1,587 72           |                    |
| Grease .....   | 13 21              |                    |
| Inspection of boilers.....                                       | 5 00               |                    |
| Installing timbers under tracks and services of<br>flagman ..... | 254 99             |                    |
| Hose .....   | 22 93              |                    |
| Lanterns .....   | 10 98              |                    |
| Lumber and mill work.....  | 2,897 67           |                    |
| Oatmeal .....  | 7 35               |                    |
| Oil and gasoline .....   | 84 26              |                    |
| Piles and pile driving .....                                     | 957 32             |                    |
| Pipe and fittings .....  | 2,409 61           |                    |
| Pump repairs .....   | 10 63              |                    |
| Rubber boots and clothing.....                                   | 46 59              |                    |
| Sharpening tools .....   | 88 14              |                    |
| Steel rods .....   | 148 54             |                    |
| Amounts carried forward .....                                    | <u>\$34,333 94</u> | <u>\$35,336 97</u> |

## Health and Sanitation—Continued

## SEWER DEPARTMENT, CONSTRUCTION GENERAL—Continued

|                                       |             |             |
|---------------------------------------|-------------|-------------|
| <i>Amounts brought forward</i> .....  | \$34,333 94 | \$35,336 97 |
| Stone .....                           | 110 84      |             |
| Teaming, as per payroll .....         | 231 50      |             |
| Tools and miscellaneous supplies..... | 390 12      |             |
|                                       | <hr/>       |             |
| Total .....                           |             | 35,066 40   |
|                                       |             | <hr/>       |
| Balance of appropriation .....        |             | \$270 57    |
|                                       |             | <hr/>       |

## SUMMARY—EXPENDED

|                                     |             |            |
|-------------------------------------|-------------|------------|
| Amherst Alley Sewer:                |             |            |
| Labor .....                         | \$2,484 22  |            |
| Teaming .....                       | 69 00       |            |
| Supplies .....                      | 1,298 76    |            |
|                                     | <hr/>       | \$3,851 98 |
| Brattle Street Sewer:               |             |            |
| Labor .....                         | \$2,058 93  |            |
| Supplies .....                      | 316 61      |            |
|                                     | <hr/>       | 2,375 54   |
| Cross and Purrington Street Sewer:  |             |            |
| Labor .....                         | \$2,093 56  |            |
| Supplies .....                      | 1,508 24    |            |
|                                     | <hr/>       | 3,601 80   |
| Francis Avenue Sewer:               |             |            |
| Labor .....                         | \$1,601 35  |            |
| Supplies .....                      | 212 71      |            |
|                                     | <hr/>       | 1,814 06   |
| Fresh Pond Parkway Sewer:           |             |            |
| Labor .....                         | \$2,656 55  |            |
| Teaming .....                       | 49 50       |            |
| Supplies .....                      | 594 78      |            |
|                                     | <hr/>       | 3,300 83   |
| Gracewood Park Sewer:               |             |            |
| Labor .....                         | \$182 95    |            |
| Supplies .....                      | 47 00       |            |
|                                     | <hr/>       | 229 95     |
| New Catch Basins:                   |             |            |
| Labor .....                         | \$917 22    |            |
| Supplies .....                      | 1,073 16    |            |
|                                     | <hr/>       | 1,990 38   |
| General Expense:                    |             |            |
| Labor .....                         | \$63 25     |            |
| Teaming .....                       | 100 08      |            |
| Supplies .....                      | 775 71      |            |
|                                     | <hr/>       | 939 04     |
| Sixth and Binney Street Sewer:      |             |            |
| Labor .....                         | \$803 95    |            |
| Teaming .....                       | 12 00       |            |
| Supplies .....                      | 258 27      |            |
|                                     | <hr/>       | 1,074 22   |
|                                     | <hr/>       |            |
| <i>Amount carried forward</i> ..... | \$19,177 80 |            |

Health and Sanitation—Continued

SEWER DEPARTMENT, CONSTRUCTION GENERAL—Concluded

|  |             |
|--|-------------|
| Amount brought forward .....             | \$19,177 80 |
| Vassar Street (now Draper Street) Sewer: |             |
| Labor .....                              | \$10,213 47 |
| Teaming .....                            | 101 00      |
| Supplies .....                           | 5,574 13    |
|  | <hr/>       |
|  | 15,888 60   |
|  | <hr/>       |
| Total .....                              | \$35,066 40 |

SEWER DEPARTMENT—SEPARATE SYSTEM OF DRAINAGE

|   |             |
|---|-------------|
| Appropriation brought from 1913.....                          | \$3,750 57  |
| Additional appropriation .....                                | 15,000 00   |
|   | <hr/>       |
| Transfer from Construction River Parkway, for sewer construc- |             |
| tion Russell Field .....                                      | 293 28      |
|   | <hr/>       |
|   | \$19,043 85 |

EXPENDED

|  |             |
|--|-------------|
| For labor, as per payroll .....        | \$10,972 01 |
| Engineering, as per payroll .....      | 423 00      |
| Advertising .....                      | 3 19        |
| Automobile, new (one-half cost).....   | 225 00      |
| Blacksmithing .....                    | 53 99       |
| Bricks .....                           | 191 10      |
| Cement .....                           | 194 12      |
| Frames, grates and covers.....         | 116 56      |
| Gravel, sand, etc.....                 | 87 26       |
| Hose .....                             | 22 93       |
| Lumber .....                           | 188 54      |
| Oil .....                              | 28 56       |
| Pipe and fittings .....                | 1,270 08    |
| Repairing trench in street .....       | 53 50       |
| Rubber boots and clothing.....         | 19 05       |
| Sharpening tools .....                 | 30 82       |
| Steel rods .....                       | 19 51       |
| Stone .....                            | 18 45       |
| Teaming .....                          | 97 91       |
| Tools and miscellaneous supplies ..... | 74 16       |
|  | <hr/>       |
| Total .....                            | 14,089 74   |
|  | <hr/>       |
| Balance of appropriation.....          | \$4,954 11  |

SUMMARY—EXPENDED

|                              |            |
|------------------------------|------------|
| For General Expenses:        |            |
| Labor .....                  | \$405 70   |
| Supplies .....               | 483 77     |
|                              | <hr/>      |
|                              | \$889 47   |
| For Broadway District:       |            |
| Labor .....                  | \$341 95   |
| Teaming .....                | 24 00      |
| Supplies .....               | 42 31      |
|                              | <hr/>      |
|                              | 408 26     |
|                              | <hr/>      |
| Amount carried forward ..... | \$1,297 73 |



## Health and Sanitation—Continued

## SEWER DEPARTMENT, SEPARATE SYSTEM OF DRAINAGE—Concluded

|                                     |            |            |                         |
|-------------------------------------|------------|------------|-------------------------|
| <i>Amount brought forward</i> ..... |            | \$1,297 73 |                         |
| Alpine Street District:             |            |            |                         |
| Labor .....                         | \$1,060 66 |            |                         |
| Teaming .....                       | 14 00      |            |                         |
| Supplies .....                      | 175 64     |            |                         |
|                                     |            | <hr/>      | 1,250 30                |
| Cambridge Street District:          |            |            |                         |
| Labor .....                         | \$1,487 09 |            |                         |
| Teaming .....                       | 31 50      |            |                         |
| Supplies .....                      | 268 63     |            |                         |
|                                     |            | <hr/>      | 1,787 22                |
| Chilton Street District:            |            |            |                         |
| Labor .....                         | \$2,156 20 |            |                         |
| Teaming .....                       | 12 00      |            |                         |
| Supplies .....                      | 265 00     |            |                         |
|                                     |            | <hr/>      | 2,433 20                |
| Concord Avenue District:            |            |            |                         |
| Labor .....                         |            |            | 387 74                  |
| Copley Street District:             |            |            |                         |
| Labor .....                         | \$978 87   |            |                         |
| Supplies .....                      | 156 59     |            |                         |
|                                     |            | <hr/>      | 1,135 46                |
| Fayerweather Street District:       |            |            |                         |
| Labor .....                         | \$1,347 19 |            |                         |
| Supplies .....                      | 242 36     |            |                         |
|                                     |            | <hr/>      | 1,589 55                |
| Field Street District:              |            |            |                         |
| Labor .....                         | \$118 98   |            |                         |
| Supplies .....                      | 73 25      |            |                         |
|                                     |            | <hr/>      | 192 23                  |
| Garden Street District:             |            |            |                         |
| Labor .....                         | \$1,387 18 |            |                         |
| Teaming .....                       | 9 00       |            |                         |
| Supplies .....                      | 418 76     |            |                         |
|                                     |            | <hr/>      | 1,814 94                |
| Hazel Street District:              |            |            |                         |
| Labor .....                         | \$245 52   |            |                         |
| Supplies .....                      | 68 43      |            |                         |
|                                     |            | <hr/>      | 313 95                  |
| Ivy Street District:                |            |            |                         |
| Labor .....                         | \$200 67   |            |                         |
| Supplies .....                      | 66 15      |            |                         |
|                                     |            | <hr/>      | 266 82                  |
| Prospect Street District:           |            |            |                         |
| Supplies .....                      |            |            | 82 16                   |
| Walden Street District:             |            |            |                         |
| Labor .....                         | \$1,340 10 |            |                         |
| Teaming .....                       | 3 00       |            |                         |
| Supplies .....                      | 195 34     |            |                         |
|                                     |            | <hr/>      | 1,538 44                |
| Total .....                         |            |            | <hr/> <hr/> \$14,089 74 |

Health and Sanitation—Continued

HOUSE OFFAL

Labor

|   |             |
|---|-------------|
| Appropriation .....                           | \$35,692 14 |
| EXPENDED                                      |             |
| For labor, as per payroll.....                | \$34,845 24 |
| Pensions .....                                | 1,310 01    |
| Total .....                                   | 36,155 25   |
| Excess of expenditure over appropriation..... | \$463 11    |
| Transferred from Reserve Fund.....            | 463 11      |

General Expenses

|   |            |
|---|------------|
| Appropriation .....                                       | \$9,335 00 |
| EXPENDED  |            |
| For brooms .....  | \$13 96    |
| Carpentry .....   | 476 10     |
| Gasoline .....  | 22 10      |
| Hay, grain and straw.....                                 | 5,178 02   |
| Harness repairs and horse clothing.....                   | 421 26     |
| Horses .....  | 864 00     |
| Horseshoeing and clipping.....                            | 771 21     |
| Lighting .....  | 18 30      |
| Lime and cement .....                                     | 10 46      |
| Lumber .....  | 318 15     |
| Medical supplies .....                                    | 7 77       |
| Miscellaneous supplies for repairs.....                   | 20 97      |
| Painting stable .....                                     | 58 00      |
| Painters' supplies .....                                  | 226 52     |
| Rubber clothing, hose, etc.....                           | 19 75      |
| Shovels .....   | 19 89      |
| Sponges .....   | 4 52       |
| Stone .....   | 9 44       |
| Wagon repairs .....                                       | 761 24     |
| Total .....   | 9,221 66   |
| Surplus of appropriation transferred to Reserve Fund..... | \$113 34   |

STREET CLEANING (Including Snow Removal)

|   |             |
|---|-------------|
| Appropriation .....                       | \$55,000 00 |
| Emergency appropriation, 1915 taxes ..... | 3,000 00    |
| Total appropriation .....                 | \$58,000 00 |
| Amount carried forward .....              | \$58,000 00 |

## Health and Sanitation—Continued

## STREET CLEANING—Concluded

Amount brought forward ..... \$58,000 00

## EXPENDED

## For Street Cleaning:

## Labor:

|   |             |
|---|-------------|
| Section men .....                             | \$21,880 04 |
| General cleaning .....                        | 16,543 53   |
| Expressage .....                              | 6 12        |
| Harness repairs .....                         | 34 60       |
| Hay, grain and straw.....                     | 2,065 50    |
| Horseshoeing .....                            | 9 38        |
| Lumber .....                                  | 11 02       |
| Machine sweeper repairs .....                 | 85 57       |
| New equipment .....                           | 1,532 65    |
| Refilling machine sweeper brooms..            | 185 96      |
| Teaming, sundry persons, as per payroll ..... | 6,858 75    |
| Tools, hardware, etc.....                     | 755 05      |

Total ..... \$49,968 17

## EXPENDED

## For Snow Removal:

## Labor:

|                              |            |
|------------------------------|------------|
| Section men .....            | \$5,060 73 |
| School houses .....          | 847 43     |
| General .....                | 5,472 82   |
| Gravel .....                 | 81 35      |
| Hardware, tools, etc.....    | 67 18      |
| Salt .....                   | 16 17      |
| Teaming, as per payroll..... | 219 00     |

Total ..... \$11,764 68

Total ..... 61,723 85

|   |            |
|---|------------|
| Excess of expenditure over appropriation..... | \$3,732 85 |
| Transferred from Reserve Fund.....            | 3,732 85   |

## COLLECTION OF ASHES

Appropriation ..... \$60,000 00

## EXPENDED

|                             |            |
|-----------------------------|------------|
| For salary of foreman ..... | \$1,300 00 |
| Labor, as per payroll.....  | 49,793 62  |
| Ashcart covers .....        | 176 40     |
| Dumping privileges .....    | 25 00      |
| Hardware, tools, etc.....   | 7 34       |
| Harness and repairs.....    | 511 94     |
| Hay, grain and straw.....   | 6,664 35   |
| Horseshoeing and stock..... | 534 10     |
| New equipment .....         | 220 00     |

Amounts carried forward ..... \$59,232 75      \$60,000 00

## Health and Sanitation—Concluded

## COLLECTION OF ASHES—Concluded

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .....                      | \$59,232 75 | \$60,000 00 |
| Repairs to incinerator.....                               | 22 46       |             |
| Wagon repairs .....                                       | 312 59      |             |
| Teaming, as per payroll.....                              | 432 00      |             |
|   | <hr/>       |             |
| Total .....   |             | 59,999 80   |
|   |             | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund..... |             | \$0 20      |
|   |             | <hr/>       |

## HIGHWAYS AND BRIDGES

## SALARIES OF SUPERINTENDENT OF STREETS AND CLERKS

|  |            |            |
|--|------------|------------|
| Appropriation .....  |            | \$6,498 00 |
| EXPENDED   |            |            |
| For salaries of:   |            |            |
| Superintendent of Streets .....                            | \$2,500 00 |            |
| Office clerks .....  | 3,120 00   |            |
| Yard clerks .....  | 824 00     |            |
|  | <hr/>      |            |
| Total .....  |            | \$6,444 00 |
|  |            | <hr/>      |
| Surplus of appropriation transferred to Reserve Fund ..... |            | \$54 00    |
|  |            | <hr/>      |

## PENSIONS

|  |  |            |
|--|--|------------|
| Appropriation .....  |  | \$2,793 00 |
| EXPENDED   |  |            |
| Pensions, sundry persons, as per payroll .....             |  | \$2,547 34 |
|  |  | <hr/>      |
| Surplus of appropriation transferred to Reserve Fund ..... |  | \$245 66   |
|  |  | <hr/>      |

## STREET MAINTENANCE

|  |             |             |
|--|-------------|-------------|
| Appropriation .....  |             | \$86,750 00 |
| Transferred from Park Department for care of horses .....                |             | 432 00      |
| Transferred from Sealer of Weights and Measures for care of horses ..... |             | 216 00      |
|  |             | <hr/>       |
|  |             | \$87,398 00 |
| EXPENDED   |             |             |
| For salaries of district foremen .....                                   | \$1,784 00  |             |
| Stablemen .....  | 15,136 48   |             |
| Blacksmiths .....  | 3,328 17    |             |
| Carpenters .....   | 2,169 29    |             |
| Harnessmakers .....  | 659 45      |             |
| Painters .....   | 3,936 64    |             |
| Labor, as per payroll .....  | 21,446 41   |             |
|  | <hr/>       |             |
|  |             | \$48,460 44 |
|  |             | <hr/>       |
| <i>Amounts carried forward</i> .....                                     | \$48,460 44 | \$87,398 00 |



**Highways and Bridges—Continued**  
**STREET MAINTENANCE—Concluded**

|  |             |                      |
|--|-------------|----------------------|
| <i>Amounts brought forward</i> .....                       | \$48,460 44 | \$87,398 00          |
| Office expenses:   |             |                      |
| Advertising .....  | \$33 99     |                      |
| Directory .....  | 4 00        |                      |
| Stationery, printing and office<br>supplies .....          | 432 15      |                      |
| Telephone service .....                                    | 272 55      |                      |
|  | <hr/>       | 742 69               |
| Automobile registration .....                              | \$12 00     |                      |
| Automobile supplies and repairs ..                         | 1,115 84    |                      |
| Carriage and wagon repairs .....                           | 357 20      |                      |
| Fuel .....   | 1,446 46    |                      |
| Gravel and freight .....                                   | 301 55      |                      |
| Harness and repairs .....                                  | 451 58      |                      |
| Hay, grain and straw .....                                 | 2 533 93    |                      |
| Horseshoeing stock and clipping ..                         | 266 02      |                      |
|  | <hr/>       | 6,484 58             |
| Lighting:  |             |                      |
| Electric lighting .....                                    | \$451 09    |                      |
| Lamps, lanterns and oil .....                              | 126 48      |                      |
|  | <hr/>       | 577 57               |
| Lumber .....   |             | 799 61               |
| New equipment:   |             |                      |
| Wagon .....  |             | 73 50                |
| Painters' supplies .....                                   |             | 428 54               |
| Renewals and repairs .....                                 |             | 1,176 47             |
| Stable supplies .....                                      |             | 547 28               |
| Steam roller, supplies and repairs .....                   |             | 4,655 59             |
| Stone crusher, repairs and supplies .....                  |             | 300 51               |
| Stone:   |             |                      |
| Field stone .....  | \$925 28    |                      |
| Crushed stone .....  | 10,793 63   |                      |
|  | <hr/>       | 11,718 91            |
| Special road treatment .....                               |             | 7,891 34             |
| Street signs .....   |             | 286 76               |
| Teaming, as per payroll .....                              |             | 952 50               |
| Tools, hardware and miscellaneous supplies ...             |             | 726 88               |
| Sundries:  |             |                      |
| Car tickets .....  | \$40 00     |                      |
| Express and freight .....                                  | 127 12      |                      |
| Housing and raising topmast..                              | 16 90       |                      |
| Miscellaneous supplies .....                               | 27 10       |                      |
| Salt .....   | 4 41        |                      |
| Use of coupé.....  | 1 47        |                      |
| Veterinary surgeon .....                                   | 8 00        |                      |
|  | <hr/>       | 225 00               |
| Repairs:   |             |                      |
| Bithulithic pavement .....                                 | \$500 00    |                      |
| Bricks and cement .....                                    | 16 99       |                      |
| Iron fence .....   | 25 19       |                      |
|  | <hr/>       | 542 18               |
|  | <hr/>       |                      |
| Total .....  |             | 86,590 35            |
| Surplus of appropriation transferred to Reserve Fund ..... |             | <hr/> <hr/> \$807 65 |

## Highways and Bridges—Continued

## HORSES

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$5,000 00 |
|---------------------|------------|

## EXPENDED

|                       |            |
|-----------------------|------------|
| For automobiles ..... | \$1,528 80 |
| Horses .....          | 3,470 90   |

|             |          |
|-------------|----------|
| Total ..... | 4,999 70 |
|-------------|----------|

|  |        |
|--|--------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$0 30 |
|--|--------|

## CROSSINGS

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,000 00 |
|---------------------|------------|

## EXPENDED

|                                 |          |
|---------------------------------|----------|
| For labor, as per payroll ..... | \$490 64 |
| Granite flagging .....          | 114 90   |
| Gravel and freight .....        | 32 14    |
| Paving blocks .....             | 323 00   |
| Teaming, as per payroll .....   | 42 00    |

|             |          |
|-------------|----------|
| Total ..... | 1,002 68 |
|-------------|----------|

|  |        |
|--|--------|
| Excess of expenditure over appropriation ..... | \$2 68 |
|--|--------|

|                                     |      |
|-------------------------------------|------|
| Transferred from Reserve Fund ..... | 2 68 |
|-------------------------------------|------|

## SIDEWALK REPAIRS

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$8,300 00 |
|---------------------|------------|

## EXPENDED

|  |            |
|--|------------|
| For labor, as per payroll .....            | \$7,123 04 |
| Bricks .....                               | 337 78     |
| Gravel and freight .....                   | 367 17     |
| Hay, grain and straw .....                 | 128 42     |
| Repairing artificial stone sidewalks ..... | 68 80      |
| Teaming .....                              | 269 63     |

|             |          |
|-------------|----------|
| Total ..... | 8,294 84 |
|-------------|----------|

|  |        |
|--|--------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$5 16 |
|--|--------|

## SPRINKLING

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$34,475 00 |
|---------------------|-------------|

## EXPENDED

|  |            |
|--|------------|
| For salary of foreman .....            | \$967 60   |
| Pension of foreman for one month ..... | 50 00      |
|  | <hr/>      |
|  | \$1,017 60 |
| Clerical services on assessments ..... | 124 00     |
| Hardware, tools, etc. ....             | 38 83      |
| Harness, repairs and supplies .....    | 4 90       |
| New equipment:                         |            |
| Steel tank .....                       | 440 00     |

|                               |            |             |
|-------------------------------|------------|-------------|
| Amounts carried forward ..... | \$1,625 33 | \$34,475 00 |
|-------------------------------|------------|-------------|

## Highways and Bridges—Continued

## SPRINKLING—Concluded

Amounts brought forward ..... \$1,625 33      \$34,475 00

## Special road treatment:

Labor, as per payroll ..... \$932 99

Dustoline ..... 2,074 28

Tarvia and oil ..... 13,076 19

16,083 46

Sprinkling streets by contractors ..... 15,879 41

Standpipe repairs ..... 163 48

Watering cart repairs ..... 281 35

Teaming, as per payroll ..... 640 50

Total ..... 34,673 53

Excess of expenditure over appropriation ..... \$198 53

Transferred from Reserve Fund ..... 198 53

## STREET DEPARTMENT—BRIDGES

Appropriation ..... \$11,800 00

## EXPENDED

For salaries of drawtenders..... \$11,075 44

Pension of drawtender for one month..... 37 18

Labor, as per payroll ..... 10 25

Blacksmithing ..... 126 46

Chairs ..... 7 35

Electrical supplies and repairs..... 32 46

Fuel ..... 57 62

Lighting ..... 507 11

Lumber ..... 448 71

Tools, and miscellaneous supplies..... 4 61

Total ..... 12,307 19

Excess of expenditure over appropriation..... \$507 19

Transferred from Reserve Fund..... 507 19

## SUMMARY—EXPENDED

For salaries of drawtenders and assistants..... \$11,047 87

## Commercial Avenue Bridge:

Supplies ..... \$324 29

324 29

## First Street Bridge:

Labor ..... \$20 50

Supplies ..... 398 50

419 00

## Mt. Auburn Street Bridge:

Labor ..... \$47 50

Supplies ..... 44 67

92 17

## Sixth Street Bridge:

Labor ..... \$3 50

Supplies ..... 226 06

229 56

Amount carried forward ..... \$12,112 89

## Highways and Bridges—Continued

## STREET DEPARTMENT—BRIDGES—Concluded

|                                     |         |             |
|-------------------------------------|---------|-------------|
| <i>Amount brought forward</i> ..... |         | \$12,112 89 |
| Third Street Bridge:                |         |             |
| Labor .....                         | \$3 50  |             |
| Supplies .....                      | 175 74  |             |
|                                     | <hr/>   | 179 24      |
| Walden Street Bridge:               |         |             |
| Labor .....                         | \$15 06 |             |
|                                     | <hr/>   | 15 06       |
| Total .....                         |         | \$12,307 19 |

## BRICK AND BITHULITHIC PAVEMENT

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,000 00 |
|---------------------|------------|

## EXPENDED

|  |                |
|--|----------------|
| For brick and bithulithic repairs..... | \$1,000 00     |
| Total .....                            | <hr/> 1,000 00 |

## STILES STREET

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$150 00 |
|---------------------|----------|

## EXPENDED

|                                 |              |
|---------------------------------|--------------|
| For labor, as per payroll ..... | \$149 45     |
| Total .....                     | <hr/> 149 45 |

|   |              |
|---|--------------|
| Surplus of appropriation transferred to Reserve Fund..... | <hr/> \$0 55 |
|---|--------------|

## BOSTON AND CAMBRIDGE BRIDGES

## Salaries

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$11,275 00 |
|---------------------|-------------|

## EXPENDED

|   |            |                 |
|---|------------|-----------------|
| For salaries of:  |            |                 |
| Bridge Commissioner .....                                 | \$700 00   |                 |
| Clerks .....  | 250 00     |                 |
| Drawtenders and assistants:                               |            |                 |
| At Cambridge Bridge .....                                 | \$1,429 59 |                 |
| Harvard Bridge .....                                      | 2,675 01   |                 |
| Prison Point Bridge.....                                  | 2,790 84   |                 |
| River Street, Western Avenue                              |            |                 |
| and Boylston Street Bridge..                              | 2,789 00   |                 |
| Substitutes during vacation....                           | 423 87     |                 |
|   | <hr/>      | 10,108 31       |
| Total .....   |            | <hr/> 11,058 31 |
| Surplus of appropriation transferred to Reserve Fund..... |            | <hr/> \$216 69  |



## Highways and Bridges—Continued

## BOSTON AND CAMBRIDGE BRIDGES—Continued

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$7,015 00 |
|---------------------|------------|

## EXPENDED

## For Commissioners' and office expenses:

|                             |         |          |
|-----------------------------|---------|----------|
| Car tickets .....           | \$35 00 |          |
| Insurance, etc. ....        | 207 77  |          |
| Postage and stationery..... | 16 26   |          |
| Telephone service .....     | 20 91   |          |
|                             | <hr/>   | \$279 94 |

## Cambridge Bridge:

|                                   |          |          |
|-----------------------------------|----------|----------|
| Glazing and painting.....         | \$109 26 |          |
| Lamp posts .....                  | 129 15   |          |
| Lighting .....                    | 1,706 51 |          |
| Sand .....                        | 3 68     |          |
| Teaming .....                     | 64 00    |          |
| Tools and miscellaneous supplies. | 41 06    |          |
|                                   | <hr/>    | 2,053 66 |

## Harvard Bridge:

|                                  |          |          |
|----------------------------------|----------|----------|
| Blacksmithing .....              | \$210 91 |          |
| Carpentry .....                  | 208 77   |          |
| Cleaning .....                   | 117 44   |          |
| Electrical repairs .....         | 5 58     |          |
| Fuel .....                       | 25 66    |          |
| Ice .....                        | 3 00     |          |
| Lighting .....                   | 895 18   |          |
| Lumber .....                     | 179 55   |          |
| Sand and spreading.....          | 66 50    |          |
| Tools and miscellaneous supplies | 26 37    |          |
|                                  | <hr/>    | 1,738 96 |

## Brookline Street Bridge:

|                                   |          |        |
|-----------------------------------|----------|--------|
| Carpentry .....                   | \$146 69 |        |
| Lighting .....                    | 233 18   |        |
| Lumber .....                      | 75 60    |        |
| Tools and miscellaneous supplies. | 4 70     |        |
|                                   | <hr/>    | 460 17 |

## Prison Point Bridge:

|                                  |        |        |
|----------------------------------|--------|--------|
| Blacksmithing .....              | \$1 25 |        |
| Carpentry .....                  | 521 98 |        |
| Fuel .....                       | 17 55  |        |
| Lighting .....                   | 8 58   |        |
| Lumber .....                     | 179 14 |        |
| Painting .....                   | 12 00  |        |
| Repairing draw .....             | 125 62 |        |
| Tools and miscellaneous supplies | 40 06  |        |
|                                  | <hr/>  | 906 18 |

|                               |            |            |
|-------------------------------|------------|------------|
| Amounts carried forward ..... | \$5,438 91 | \$7,015 00 |
|-------------------------------|------------|------------|

## Highways and Bridges—Continued

## BOSTON AND CAMBRIDGE BRIDGES, GENERAL EXPENSES—Concluded

Amounts brought forward ..... \$5,438 91      \$7,015 00

## River Street Bridge:

|                                  |          |        |
|----------------------------------|----------|--------|
| Carpentry .....                  | \$302 87 |        |
| Fuel .....                       | 12 96    |        |
| Ice .....                        | 5 48     |        |
| Lighting .....                   | 32 41    |        |
| Lumber .....                     | 568 29   |        |
| Tools and miscellaneous supplies | 42 21    |        |
|                                  |          | 964 22 |

## Western Avenue Bridge:

|                                  |          |        |
|----------------------------------|----------|--------|
| Carpentry .....                  | \$226 84 |        |
| Lighting .....                   | 32 42    |        |
| Lumber .....                     | 105 40   |        |
| Tools and miscellaneous supplies | 10 18    |        |
|                                  |          | 374 84 |

Total ..... \$6,777 97

Surplus of appropriation transferred to Reserve Fund ..... \$237 03

## HARVARD BRIDGE "SPECIAL"

Appropriation ..... \$8,472 73

Transferred to First, Third and Sixth Street

Bridge ..... \$500 00

Transferred to Const. Central Square..... 565 85

1,065 85

\$7,406 88

## EXPENDED

For paving bridge ..... \$5,209 50

Total ..... 5,209 50

Balance of appropriation..... \$2,197 38

## FIRST, THIRD AND SIXTH STREET BRIDGES.

Appropriation ..... \$3,600 00

Transferred from Harvard Bridge..... 500 00

\$4,100 00

## EXPENDED

For labor, as per payroll ..... \$713 49

Asphalt ..... 50 69

Blacksmithing ..... 300 00

Hardware, etc. .... 25 32

Hex Block ..... 2,204 00

Lumber ..... 696 05

Mastic ..... 81 60

Preservative ..... 25 75

Teaming, as per payroll..... 3 00

Total ..... 4,099 90

Balance of appropriation transferred to Sinking Fund..... \$0 10

## Highways and Bridges—Continued

## FIRST, THIRD AND SIXTH STREET BRIDGES—Concluded

## SUMMARY—EXPENDED

|                                 |          |            |
|---------------------------------|----------|------------|
| For labor, as per payroll ..... | \$713 49 |            |
| First Street Bridge:            |          |            |
| Supplies .....                  | 1,528 06 |            |
| Third Street Bridge:            |          |            |
| Supplies .....                  | 1,020 18 |            |
| Sixth Street Bridge:            |          |            |
| Supplies .....                  | 835 17   |            |
| Teaming, as per payroll .....   | 3 00     |            |
| Total .....                     |          | \$4,099 90 |

## REPAIRING BROOKLINE BRIDGE

|                                 |          |            |
|---------------------------------|----------|------------|
| Appropriation .....             |          | \$8,000 00 |
| EXPENDED                        |          |            |
| Advertising .....               | \$54 22  |            |
| Building concrete parapet ..... | 49 53    |            |
| Paving and planking bridge..... | 6,322 85 |            |
| Services of stenographer.....   | 25 65    |            |
| Total .....                     |          | 6,452 25   |
| Balance of appropriation .....  |          | \$1,547 75 |

REBUILDING AND CONSTRUCTION STREETS,  
ACCOUNT SUBWAY

|  |            |             |
|--|------------|-------------|
| Appropriation from 1913, special receipts..... |            | \$9,997 30  |
| Appropriation from revenue (all).....          |            | 1,734 35    |
|  |            | \$11,731 65 |
| Transferred to Snow Removal.....               | \$2,183 34 |             |
| Transferred to Street Bridges.....             | 450 00     |             |
|  |            | 2,633 34    |
|  |            | \$9,098 31  |

## EXPENDED

|                                |            |            |
|--------------------------------|------------|------------|
| For labor, as per payroll..... | \$4,611 24 |            |
| Cement .....                   | 533 70     |            |
| Concrete stone .....           | 332 66     |            |
| Crushed stone .....            | 1,360 99   |            |
| Fuel .....                     | 17 15      |            |
| Gravel .....                   | 298 64     |            |
| Hardware, tools, etc.....      | 264 66     |            |
| Hay, grain and straw.....      | 667 97     |            |
| Lighting .....                 | 3 00       |            |
| Pitch .....                    | 50 44      |            |
| Tarvia .....                   | 529 61     |            |
| Teaming .....                  | 428 25     |            |
| Total .....                    |            | \$9,098 31 |

## Highways and Bridges—Continued

## CONSTRUCTION BINNEY STREET

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$24,000 00 |
|---------------------|-------------|

## EXPENDED

|                                |             |             |
|--------------------------------|-------------|-------------|
| For labor, as per payroll..... | \$12,579 61 |             |
| Catch basins.....              | 25 97       |             |
| Cement .....                   | 1,488 03    |             |
| Concrete stone .....           | 1,070 32    |             |
| Crushed stone .....            | 51 76       |             |
| Edgestones .....               | 2,119 67    |             |
| Fuel .....                     | 42 94       |             |
| Granite flagging .....         | 57 94       |             |
| Gravel and freight .....       | 1,205 27    |             |
| Hardware, tools, etc.....      | 373 12      |             |
| Hay, grain, etc.....           | 485 38      |             |
| Lighting .....                 | 148 33      |             |
| Lumber .....                   | 7 66        |             |
| Teaming .....                  | 4,344 00    |             |
|                                | <hr/>       |             |
| Total .....                    |             | \$24,000 00 |

## LAND DAMAGES

|                               |             |
|-------------------------------|-------------|
| Appropriation from 1913 ..... | \$265 13    |
| Appropriation .....           | 15,000 00   |
|                               | <hr/>       |
|                               | \$15,265 13 |

## EXPENDED

|   |            |             |
|---|------------|-------------|
| Execution of court:   |            |             |
| Land and damage Anglin Street:                                |            |             |
| Francis J. Carney, Atty. for John Reardon<br>and Sons .....   | \$8,935 23 |             |
| Damages awarded:  |            |             |
| Land and damage, Charles Street:                              |            |             |
| H. Adelaide Hovey .....                                       | \$500 00   |             |
| Herman E. Priest.....   | 500 00     |             |
|   | <hr/>      | 1,000 00    |
| Land and damage, Massachusetts<br>Ave. near Lafayette Square: |            |             |
| Salvation Army .....  | 2,500 00   |             |
|   | <hr/>      | 3,500 00    |
| Miscellaneous expenses incurred in cases<br>against the city: |            |             |
| Wellington case .....   | \$1,258 00 |             |
| Reardon case .....  | 475 00     |             |
|   | <hr/>      | 1,733 00    |
| Expert services viewing land.....                             | 225 00     |             |
| Searching records .....                                       | 85 00      |             |
|   | <hr/>      |             |
| Total .....   |            | \$14,478 23 |
|   |            | <hr/>       |
| Balance of appropriation .....                                |            | \$786 90    |



Highways and Bridges—Continued

CONSTRUCTION BRIDGE STREET

|   |            |            |
|---|------------|------------|
| Appropriation .....                                       |            | \$7,500 00 |
| EXPENDED  |            |            |
| For labor, as per payroll .....                           | \$2,326 96 |            |
| Cement .....  | 1,213 54   |            |
| Granite blocks .....                                      | 2,639 00   |            |
| Gravel .....  | 155 58     |            |
| Hardware, tools, etc. ....                                | 8 62       |            |
| Lighting .....  | 29 84      |            |
| Stone:  |            |            |
| Concrete .....  | \$359 18   |            |
| Crushed .....   | 30 00      |            |
|   | 389 18     |            |
| Teaming, as per payroll .....                             | 737 25     |            |
| Total .....   |            | 7,499 97   |
| Balance of appropriation transferred to Sinking Fund..... |            | \$ 03      |

BROADWAY (COLUMBIA TO WINDSOR STREET)

|                                 |            |            |
|---------------------------------|------------|------------|
| Appropriation .....             |            | \$7,500 00 |
| EXPENDED                        |            |            |
| For labor, as per payroll ..... | \$2,100 06 |            |
| Bithulithic pavement .....      | 3,223 86   |            |
| Bricks .....                    | 100 78     |            |
| Cement .....                    | 656 33     |            |
| Concrete stone .....            | 375 49     |            |
| Crushed stone .....             | 50 56      |            |
| Gravel and freight .....        | 322 49     |            |
| Hardware, tools, etc. ....      | 166 18     |            |
| Lighting .....                  | 19 95      |            |
| Teaming, as per payroll.....    | 436 50     |            |
| Total .....                     |            | 7,452 20   |
| Balance of appropriation .....  |            | \$47 80    |

BROADWAY, SIXTH TO MAIN STREET

|                                    |             |             |
|------------------------------------|-------------|-------------|
| Appropriation .....                |             | \$14,300 00 |
| Transferred from Erie Street ..... |             | 450 00      |
|                                    |             | \$14,750 00 |
| EXPENDED                           |             |             |
| For labor, as per payroll .....    | \$5,052 22  |             |
| Brick .....                        | 20 85       |             |
| Cement .....                       | 1,263 51    |             |
| Grain .....                        | 121 01      |             |
| Granite paving blocks .....        | 5,968 93    |             |
| Gravel .....                       | 532 32      |             |
| Hardware, tools etc. ....          | 333 52      |             |
| Amounts carried forward .....      | \$13,292 36 | \$14,750 00 |

Highways and Bridges—Continued

BROADWAY, SIXTH TO MAIN STREET—Concluded

|   |             |             |
|---|-------------|-------------|
| Amounts brought forward .....                             | \$13,292 36 | \$14,750 00 |
| Lighting .....  | 43 89       |             |
| Lumber .....  | 109 41      |             |
| Stone:  |             |             |
| Concrete .....  | \$518 84    |             |
| Crushed .....   | 45 15       |             |
|   | <hr/>       |             |
|   | 563 99      |             |
| Teaming, as per payroll .....                             | 740 25      |             |
|   | <hr/>       |             |
| Total .....   |             | 14,749 90   |
|   |             | <hr/>       |
| Surplus of appropriation transferred to Sinking Fund..... |             | \$0 10      |
|   |             | <hr/>       |

CONSTRUCTION CENTRAL SQUARE

|  |             |
|--|-------------|
| Appropriation .....  | \$7,600 00  |
| Transferred from repairing Harvard Bridge .....                      | 565 85      |
| Transferred from Const. Mass. Av. (Lafayette Sq. to Inman St.) ..... | 4,702 43    |
|  | <hr/>       |
|  | \$12,868 28 |

EXPENDED

|                                 |            |             |
|---------------------------------|------------|-------------|
| For labor, as per payroll ..... | \$6,143 23 |             |
| Cement .....                    | 199 25     |             |
| Concrete stone .....            | 590 52     |             |
| Gravel .....                    | 144 95     |             |
| Hardware, tools, etc. ....      | 73 58      |             |
| Lighting .....                  | 94 61      |             |
| Pitch .....                     | 57 64      |             |
| Wood blocks .....               | 4,921 00   |             |
| Teaming .....                   | 643 50     |             |
|                                 | <hr/>      |             |
| Total .....                     |            | \$12,868 28 |
|                                 |            | <hr/>       |

ERIE STREET

|  |            |
|--|------------|
| Appropriation from 1913 .....                        | \$3,275 24 |
| Transferred to Broadway (Sixth to Main Street) ..... | 450 00     |
|  | <hr/>      |
|  | \$2,825 24 |

EXPENDED

|                                 |          |            |
|---------------------------------|----------|------------|
| For labor, as per payroll ..... | \$798 48 |            |
| Granite paving blocks .....     | 1,473 56 |            |
| Lighting .....                  | 9 07     |            |
| Sewer work .....                | 38 22    |            |
| Teaming, as per payroll .....   | 133 50   |            |
|                                 | <hr/>    |            |
| Total .....                     |          | \$2,452 83 |
|                                 |          | <hr/>      |
| Balance of appropriation .....  |          | \$372 41   |
|                                 |          | <hr/>      |

Highways and Bridges—Continued  
CONSTRUCTION FIFTH STREET

Appropriation ..... \$4,000 00

EXPENDED

|                                 |            |          |
|---------------------------------|------------|----------|
| For labor, as per payroll ..... | \$1,216 90 |          |
| Cement .....                    | 696 60     |          |
| Crushed stone .....             | 65 64      |          |
| Edgestone .....                 | 219 95     |          |
| Granite paving blocks .....     | 1,194 62   |          |
| Gravel and freight .....        | 108 87     |          |
| Teaming, as per payroll .....   | 294 75     |          |
|                                 |            |          |
| Total .....                     |            | 3,797 33 |
|                                 |            |          |
| Balance of appropriation .....  |            | \$202 67 |

CONSTRUCTION GARDEN STREET

Appropriation ..... \$11,000 00

EXPENDED

|                                 |            |            |
|---------------------------------|------------|------------|
| For labor, as per payroll ..... | \$3,531 27 |            |
| Bithulithic surface .....       | 3,845 08   |            |
| Cement .....                    | 348 80     |            |
| Concrete stone .....            | 517 32     |            |
| Edgestone .....                 | 416 05     |            |
| Fuel .....                      | 55 90      |            |
| Gravel and freight .....        | 124 69     |            |
| Hardware, tools, etc. ....      | 69 62      |            |
| Hay, grain, etc. ....           | 123 48     |            |
| Lighting .....                  | 22 20      |            |
| Sewer work .....                | 75 14      |            |
| Teaming .....                   | 607 50     |            |
|                                 |            |            |
| Total .....                     |            | 9,735 05   |
|                                 |            |            |
| Balance of appropriation .....  |            | \$1,264 95 |

MASSACHUSETTS AVE. (LAFAYETTE SQ. TO INMAN ST.)

|                                     |            |         |
|-------------------------------------|------------|---------|
| Appropriation from 1913 .....       | \$4,718 30 |         |
| Transferred to Central Square ..... | 4,702 43   |         |
|                                     |            |         |
|                                     |            | \$15 87 |

EXPENDED

|                                 |         |         |
|---------------------------------|---------|---------|
| For labor, as per payroll ..... | \$15 87 |         |
|                                 |         |         |
| Total .....                     |         | \$15 87 |
|                                 |         |         |

Highways and Bridges—Continued

REBUILDING MOUNT AUBURN ST. (COOLIDGE AVE. TO B. & M. R. R.)

|  |             |
|--|-------------|
| Appropriation .....                                  | \$37,800 00 |
| Transferred to construction of Prospect Street ..... | 1,500 00    |
|  | <hr/>       |
|  | \$36,300 00 |

EXPENDED

|                                 |             |
|---------------------------------|-------------|
| For labor, as per payroll ..... | \$10,594 66 |
| Bithulithic surface .....       | 18 675 64   |
| Cement .....                    | 2,233 25    |
| Concrete stone .....            | 1,643 23    |
| Crushed stone .....             | 346 23      |
| Fuel .....                      | 41 01       |
| Grain .....                     | 254 27      |
| Gravel and freight .....        | 564 81      |
| Hardware, tools, etc. ....      | 117 35      |
| Lighting .....                  | 109 18      |
| Teaming .....                   | 1,715 25    |
|                                 | <hr/>       |
| Total .....                     | 36,294 88   |
|                                 | <hr/>       |
| Balance of appropriation .....  | \$5 12      |

CONSTRUCTION PROSPECT STREET

|   |             |
|---|-------------|
| Appropriation .....                     | \$9,000 00  |
| Transferred from Mt. Auburn street..... | 1,500 00    |
|   | <hr/>       |
|   | \$10,500 00 |

EXPENDED

|   |            |
|---|------------|
| For labor, as per payroll.....                            | \$2,217 85 |
| Cement .....  | 384 00     |
| Crushed stone .....                                       | 9 00       |
| Expansion joints .....                                    | 140 00     |
| Gravel, etc. ....   | 31 03      |
| Hardware, tools, etc. ....                                | 11 36      |
| Lighting .....  | 9 06       |
| Pitch .....   | 14 15      |
| Wood blocks .....   | 7,501 50   |
| Teaming .....   | 180 75     |
|   | <hr/>      |
| Total .....   | 10,498 70  |
|   | <hr/>      |
| Surplus of appropriation transferred to Sinking Fund..... | \$1 30     |

CONSTRUCTION SIXTH STREET

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$10,000 00 |
|---------------------|-------------|

EXPENDED

|                                |             |
|--------------------------------|-------------|
| For labor, as per payroll..... | \$5,143 82  |
| Bricks .....                   | 90 35       |
| Cement .....                   | 1,371 07    |
| Concrete stone .....           | 437 64      |
| Crushed stone .....            | 124 68      |
| Edgestone .....                | 203 17      |
| Granite blocks .....           | 202 73      |
| Gravel and freight .....       | 428 34      |
| Hardware, tools, etc. ....     | 277 50      |
|                                | <hr/>       |
| Amounts carried forward .....  | \$8,279 30  |
|                                | <hr/>       |
|                                | \$10,000 00 |



**Highways and Bridges—Continued**  
**CONSTRUCTION, SIXTH STREET—Concluded**

|                                      |            |                 |
|--------------------------------------|------------|-----------------|
| <i>Amounts brought forward</i> ..... | \$8,279 30 | \$10,000 00     |
| Hay, grain, etc. ....                | 128 42     |                 |
| Lighting .....                       | 23 06      |                 |
| Lumber .....                         | 44 37      |                 |
| Teaming, as per payroll .....        | 1,095 75   |                 |
| <b>Total</b> .....                   |            | 9,570 90        |
| Balance of appropriation .....       |            | <u>\$429 10</u> |

**WESTERN AVENUE**

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$10,000 00 |
|---------------------|-------------|

**EXPENDED**

|                                |            |                   |
|--------------------------------|------------|-------------------|
| For labor, as per payroll..... | \$5,182 31 |                   |
| Cement .....                   | 472 35     |                   |
| Concrete stone .....           | 435 76     |                   |
| Crushed stone .....            | 59 71      |                   |
| Fuel .....                     | 38 20      |                   |
| Gravel and freight.....        | 469 85     |                   |
| Hardware, tools, etc. ....     | 218 69     |                   |
| Hay, grain, etc. ....          | 142 61     |                   |
| Lighting .....                 | 77 01      |                   |
| Teaming .....                  | 548 25     |                   |
| <b>Total</b> .....             |            | 7,644 74          |
| Balance of appropriation ..... |            | <u>\$2,355 26</u> |

**EDGESTONES AND SIDEWALKS**

|                                |                    |
|--------------------------------|--------------------|
| Appropriation .....            | \$20,000 00        |
| Transferred from revenue ..... | 2,741 49           |
|                                | <u>\$22,741 49</u> |

**EXPENDED**

|  |            |                  |
|--|------------|------------------|
| For labor, as per payroll .....              | \$9,961 55 |                  |
| Allowance on artificial stone sidewalks..... | 2,307 36   |                  |
| Artificial stone sidewalks.....              | 157 32     |                  |
| Bricks .....                                 | 3,104 57   |                  |
| Edgestone .....                              | 4,802 68   |                  |
| Gravel and freight .....                     | 751 79     |                  |
| Hardware, tools, etc. ....                   | 50 28      |                  |
| Hay, grain, etc. ....                        | 128 42     |                  |
| Lighting .....                               | 124 52     |                  |
| Teaming .....                                | 1,353 00   |                  |
| <b>Total</b> .....                           |            | <u>22,741 49</u> |

Highways and Bridges—Concluded

STREET LIGHTING

Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,000 00 |
|---------------------|------------|

EXPENDED

|   |                   |
|---|-------------------|
| For salary of Superintendent of Lamps ..... | \$1,000 00        |
| Total .....                                 | <u>\$1,000 00</u> |

General Expenses

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$70,607 71 |
|---------------------|-------------|

EXPENDED

|  |                  |
|--|------------------|
| For automobile registration .....              | \$10 00          |
| Automobile supplies and repairs .....          | 925 62           |
| Car tickets .....                              | 100 00           |
| Heating office .....                           | 100 00           |
| Lighting streets:                              |                  |
| Electric .....                                 | \$60,636 91      |
| Gas .....                                      | 9,189 60         |
|  | <u>69,826 51</u> |
| Lumber .....                                   | 1 08             |
| Setting posts .....                            | 19 00            |
| Services at investigation .....                | 100 00           |
| Stationery, printing, etc. ....                | 24 79            |
| Steel furniture .....                          | 67 50            |
|  | <u>71,174 50</u> |
| Excess of expenditure over appropriation ..... | \$566 79         |
| Transferred from Reserve Fund .....            | <u>566 79</u>    |

SOLDIERS' BENEFITS

STATE AID—SOLDIERS' RELIEF

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$27,350 00 |
|---------------------|-------------|

EXPENDED

|  |                                |
|--|--------------------------------|
| For general administration:                    |                                |
| Salary of clerk .....                          | \$700 00                       |
| Car tickets .....                              | 10 00                          |
| Stationery, printing and office supplies ..... | 88 11                          |
|  | <u>\$798 11</u>                |
| Soldiers' burials:                             |                                |
| Burial agent .....                             | \$28 00                        |
| Burials .....                                  | 672 00                         |
|  | <u>700 00</u>                  |
| State aid, as per payroll .....                | 10,138 00                      |
| Military aid, as per payroll .....             | 458 00                         |
| Soldiers' relief, as per payroll .....         | 15,404 00                      |
|  | <u>\$27,498 11</u>             |
| Amounts carried forward .....                  | \$27,498 11 <u>\$27,350 00</u> |

## Soldiers' Benefits—Concluded

## STATE AID, SOLDIERS' RELIEF—Concluded

|  |              |             |
|--|--------------|-------------|
| <i>Amounts brought forward</i> .....           | \$27,498 11  | \$27,350 00 |
| Board (City Home) .....                        | \$148 19     |             |
| Carriage and ambulance hire ...                | 17 64        |             |
| Fuel .....                                     | 81 34        |             |
| Medicine .....                                 | 27 65        |             |
| Relief by other cities and towns               | 206 13       |             |
| Services of physician .....                    | 75 00        |             |
| Subsistence supplies .....                     | 21 56        |             |
| Transportation .....                           | 2 57         |             |
|  | <hr/> 580 08 |             |
| Total .....                                    |              | \$28,078 19 |
| Excess of expenditure over appropriation ..... |              | \$728 19    |
| Transfer from Reserve Fund .....               |              | 728 19      |

## CHARITIES

## CITY HOME

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$7,340 00 |
|---------------------|------------|

## EXPENDED

For salaries of:

|                              |            |
|------------------------------|------------|
| Superintendent .....         | \$1,457 15 |
| Sundry house employees ..... | 6,068 78   |

|             |          |
|-------------|----------|
| Total ..... | 7,525 93 |
|-------------|----------|

|  |          |
|--|----------|
| Excess of expenditure over appropriation ..... | \$195 93 |
| Transfer from Reserve Fund .....               | 195 93   |

## General Expenses

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$18,700 00 |
|---------------------|-------------|

## EXPENDED

|                                |                |
|--------------------------------|----------------|
| For advertising .....          | \$23 26        |
| Automobile supplies .....      | 233 24         |
| Bricks .....                   | 5 68           |
| Burials .....                  | 160 00         |
| Car tickets .....              | 150 00         |
| Care and repair of buildings:  |                |
| Carpentry and lumber .....     | \$558 13       |
| Electrical supplies .....      | 3 23           |
| Granolithic walk .....         | 105 84         |
| Ground tank .....              | 30 00          |
| Heating apparatus .....        | 259 86         |
| Oven .....                     | 34 50          |
| Painting .....                 | 43 43          |
| Plumbing .....                 | 100 90         |
| Roof repairs .....             | 105 42         |
| Tools, and misc. supplies..... | 176 32         |
|                                | <hr/> 1,417 63 |

|                                      |            |             |
|--------------------------------------|------------|-------------|
| <i>Amounts carried forward</i> ..... | \$1,989 81 | \$18,700 00 |
|--------------------------------------|------------|-------------|

## Charities—Continued

## CITY HOME, GENERAL EXPENSES—Concluded

|  |            |             |
|--|------------|-------------|
| <i>Amounts brought forward</i> .....                       | \$1,989 81 | \$18,700 00 |
| Cash to inmates .....                                      | 203 80     |             |
| Cash for traveling expenses and sundries ....              | 3 50       |             |
| Clergymen's services.....                                  | 152 00     |             |
| Clothing, dry goods, etc. ....                             | 2,021 23   |             |
| Disinfectant and insecticide .....                         | 159 79     |             |
| Employment agency fees .....                               | 5 17       |             |
| Expressage .....   | 17 00      |             |
| Fuel .....   | 1,217 71   |             |
| Furniture, furnishings and household supplies              | 600 46     |             |
| Ice .....  | 337 37     |             |
| Lighting .....   | 260 88     |             |
| Oil, gasoline, etc. ....                                   | 142 67     |             |
| Medical attendance and supplies .....                      | 566 87     |             |
| Moth extermination .....                                   | 24 43      |             |
| Motor service .....  | 33 00      |             |
| Newspapers and periodicals .....                           | 30 48      |             |
| Plants, seeds, etc. ....                                   | 32 12      |             |
| Salt .....   | 44 40      |             |
| Soap, powder, matches, etc. ....                           | 307 53     |             |
| Stationery, printing and supplies .....                    | 81 84      |             |
| Subsistence supplies .....                                 | 10,093 32  |             |
| Telephone service .....                                    | 87 43      |             |
| Tobacco .....  | 276 75     |             |
| Total .....  |            | 18,689 56   |
| Surplus of appropriation transferred to Reserve Fund ..... |            | \$10 44     |

## CITY FARM

## Labor

|  |            |            |
|--|------------|------------|
| Appropriation .....  |            | \$4,598 00 |
| EXPENDED   |            |            |
| For salary of farmer .....                                 | \$1,002 00 |            |
| Labor, cleaning trees .....                                | 41 03      |            |
| Labor, as per payroll .....                                | 2,888 17   |            |
| Total .....  |            | 3,931 20   |
| Surplus of appropriation transferred to Reserve Fund ..... |            | \$666 80   |

## General Expenses

|                                      |        |            |
|--------------------------------------|--------|------------|
| Appropriation .....                  |        | \$1,236 00 |
| EXPENDED                             |        |            |
| For arsenate of lead .....           | \$0 40 |            |
| Baskets .....                        | 4 90   |            |
| Carpentry .....                      | 55 70  |            |
| Hay, grain, straw, etc. ....         | 446 52 |            |
| Hogsheads .....                      | 7 00   |            |
| Horseshoeing .....                   | 56 10  |            |
| Ice aprons .....                     | 5 88   |            |
| <i>Amounts carried forward</i> ..... | 576 50 | \$1,236 00 |



## Charities—Continued

## CITY FARM, GENERAL EXPENSES—Concluded

|  |          |            |
|--|----------|------------|
| <i>Amounts brought forward</i> .....                       | \$576 50 | \$1,236 00 |
| Lighting .....   | 1 00     |            |
| Lumber .....   | 64 77    |            |
| Painting .....   | 56 06    |            |
| Rent of stand, at Mercantile Wharf Corporation             | 100 00   |            |
| Seeds and plants .....                                     | 169 54   |            |
| Tools and miscellaneous supplies .....                     | 30 59    |            |
| Wagon repairs .....  | 77 37    |            |
| Window frames .....  | 9 55     |            |
| Live stock .....   | 128 87   |            |
| Total .....  |          | 1,214 25   |
| Surplus of appropriation transferred to Reserve Fund ..... |          | \$21 75    |

## CITY HOME HOSPITAL

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,029 00 |
|---------------------|------------|

## EXPENDED

## For salaries of:

|                  |          |
|------------------|----------|
| Nurses .....     | \$612 00 |
| Attendants ..... | 284 00   |
| Cleaner .....    | 142 80   |

|             |          |
|-------------|----------|
| Total ..... | 1,038 80 |
|-------------|----------|

|  |        |
|--|--------|
| Excess of expenditure over appropriation ..... | \$9 80 |
| Transfer from Reserve Fund .....               | 9 80   |

## General Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$660 00 |
|---------------------|----------|

## EXPENDED

|                                     |         |
|-------------------------------------|---------|
| For food .....                      | \$47 75 |
| Fuel .....                          | 128 04  |
| Furniture and furnishings .....     | 73 11   |
| Lighting .....                      | 78 80   |
| Medical and surgical supplies ..... | 269 73  |

|             |        |
|-------------|--------|
| Total ..... | 597 43 |
|-------------|--------|

|  |         |
|--|---------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$62 57 |
|--|---------|

## OUTSIDE AID

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$6,190 00 |
|---------------------|------------|

## EXPENDED

## For salaries of:

|                                      |            |
|--------------------------------------|------------|
| Secretary of Overseers of Poor ..... | \$1,500 00 |
| Visitor .....                        | 1,300 00   |
| Clerk .....                          | 910 00     |
| Driver of aid wagon .....            | 467 86     |

|                                      |            |            |
|--------------------------------------|------------|------------|
| <i>Amounts brought forward</i> ..... | \$4,177 86 | \$6,190 00 |
|--------------------------------------|------------|------------|

## Charities—Continued

## OUTSIDE AID, SALARIES—Concluded

|  |            |            |
|--|------------|------------|
| <i>Amounts brought forward</i> .....           | \$4,177 86 | \$6,190 00 |
| Agent, temporary .....                         | 454 00     |            |
| City physician .....                           | 2,000 00   |            |
|  | <hr/>      |            |
| Total .....                                    |            | 6,631 86   |
|  |            | <hr/>      |
| Excess of expenditure over appropriation ..... |            | \$441 86   |
| Transfer from Reserve Fund .....               |            | 441 86     |
|  |            | <hr/>      |

## General Expenses

|                                      |             |
|--------------------------------------|-------------|
| Appropriation .....                  | \$33 021 00 |
| "Special Emergency" 1914 taxes ..... | 2,500 00    |
|                                      | <hr/>       |
|                                      | \$35,521 00 |

## EXPENDED

## For general administration:

|   |         |          |
|---|---------|----------|
| Advertising .....                                   | \$10 04 |          |
| Automobile .....                                    | 550 70  |          |
| Autcmobile registration .....                       | 20 00   |          |
| Automobile supplies and repairs ..                  | 81 42   |          |
| Baskets .....                                       | 16 66   |          |
| Car tickets .....                                   | 250 00  |          |
| Directories .....                                   | 9 92    |          |
| Expressage .....                                    | 75      |          |
| Ice .....   | 11 26   |          |
| Laundry and towel supplies .....                    | 8 98    |          |
| Lighting office .....                               | 35 40   |          |
| Paper and twine .....                               | 57 28   |          |
| Printing, stationery and office sup-<br>plies ..... | 236 39  |          |
| Searching records .....                             | 1 00    |          |
| Telephone service .....                             | 104 66  |          |
| Wagon repairs .....                                 | 19 51   |          |
|   | <hr/>   | 1,413 97 |

## Outside relief:

## Board and care of children:

|                               |          |          |
|-------------------------------|----------|----------|
| By State Board of Charity ... | \$351 02 |          |
| In hospitals .....            | 129 00   |          |
| In institutions .....         | 1,751 70 |          |
| In private homes .....        | 1,869 64 |          |
|                               | <hr/>    | 4,101 36 |

|                                |          |           |
|--------------------------------|----------|-----------|
| Board at state infirmary ..... | \$249 50 |           |
| Board at hospitals .....       | 2,044 83 |           |
| Partial support .....          | 23 00    |           |
| Burials .....                  | 726 50   |           |
| Cash aid .....                 | 7,926 78 |           |
| Cash aid, mothers' aid .....   | 6,571 50 |           |
|                                | <hr/>    | 17,542 11 |

## Expenses on account of persons sent to institutions:

|                           |         |        |
|---------------------------|---------|--------|
| Ambulance hire .....      | \$77 42 |        |
| Attendants .....          | 67 73   |        |
| Railroad fares, etc. .... | 40 70   |        |
|                           | <hr/>   | 185 85 |

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| <i>Amounts carried forward</i> ..... | \$23,243 29 | \$35,521 00 |
|--------------------------------------|-------------|-------------|

## Charities—Concluded

## OUTSIDE AID, GENERAL EXPENSES—Concluded

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .....           | \$23,243 29 | \$35,521 00 |
| Supplies and distribution:                     |             |             |
| Clothing .....                                 | \$89 78     |             |
| Fuel .....                                     | 1,380 50    |             |
| Food .....                                     | 6,746 12    |             |
| Medical and surgical supplies ....             | 498 88      |             |
| Soap .....                                     | 129 75      |             |
|  | <hr/>       | 8,845 03    |
| Services of nurse .....                        | 175 00      |             |
| Services of physician .....                    | 93 00       |             |
| Relief given by other cities and towns .....   | 5,447 90    |             |
|  | <hr/>       |             |
| Total .....                                    |             | 37,804 22   |
|  |             | <hr/>       |
| Excess of expenditure over appropriation ..... |             | \$2,283 22  |
| Transfer from Reserve Fund .....               |             | 2,283 22    |
|  |             | <hr/> <hr/> |

## EDUCATION

## SCHOOL COMMITTEE EXPENSES

|                              |              |
|------------------------------|--------------|
| Appropriation, 1913-14 ..... | \$371 52     |
| Appropriation .....          | 560,890 35   |
| Revenue .....                | 4,554 85     |
|                              | <hr/>        |
| Total .....                  | \$565,816 72 |

## EXPENDED

## For administrative salaries:

|   |            |          |
|---|------------|----------|
| Superintendent, Michael J. Fitzgerald ..... | \$5,000 00 |          |
| Assistant superintendent .....              | 2,792 00   |          |
| Primary supervisor .....                    | 1,350 00   |          |
|   | <hr/>      | 9,142 00 |

## Other general salaries:

|  |          |           |
|--|----------|-----------|
| Agent and secretary (Sanford B. Hubbard) ..... | 1,425 50 |           |
| Agent (Constantine J. Church)....              | 750 00   |           |
| Office clerks .....                            | 2,982 58 |           |
| Porter .....                                   | 764 00   |           |
| Truant officers .....                          | 5,872 50 |           |
| Superintendent of buildings and grounds .....  | 395 16   |           |
|  | <hr/>    | 12,189 74 |

## Other general expenses:

|                                     |          |  |
|-------------------------------------|----------|--|
| Advertising .....                   | \$157 46 |  |
| Annual reports .....                | 199 56   |  |
| Car tickets and railroad fare.....  | 501 20   |  |
| Carriage and automobile hire.....   | 91 44    |  |
| Census .....                        | 249 55   |  |
| Correction of examination papers... | 21 50    |  |
| Dues (Vocation Bureau) .....        | 25 00    |  |
| Express and teaming .....           | 133 68   |  |
|                                     | <hr/>    |  |

|                                      |            |             |              |
|--------------------------------------|------------|-------------|--------------|
| <i>Amounts carried forward</i> ..... | \$1,379 39 | \$21,331 74 | \$565,816 72 |
|--------------------------------------|------------|-------------|--------------|



## Education—Continued

## SCHOOL COMMITTEE EXPENSES—Continued

|                                      |              |              |              |
|--------------------------------------|--------------|--------------|--------------|
| <i>Amounts brought forward</i> ..... | \$1,379 39   | \$21,331 74  | \$565,816 72 |
| Printing, stationery, etc.....       | 557 90       |              |              |
| Services of accountant .....         | 1,209 12     |              |              |
| Typewriting .....                    | 107 25       |              |              |
| Telephone service .....              | 636 28       |              |              |
|                                      | <hr/>        | 3,889 94     |              |
| Teachers' salaries:                  |              |              |              |
| High and Latin schools.....          | \$68,042 80  |              |              |
| Rindge Technical school.....         | 37,271 46    |              |              |
| Wellington Teachers' Training school | 20,710 04    |              |              |
| Grammar schools .....                | 154,141 74   |              |              |
| Primary schools .....                | 91,775 63    |              |              |
| Manual training in grades.....       | 3,723 83     |              |              |
| Fresh Air school.....                | 1,090 94     |              |              |
| Drawing instructor .....             | 851 00       |              |              |
| Music instructor .....               | 740 75       |              |              |
| Sewing teachers .....                | 3,223 20     |              |              |
| Kindergarten teachers .....          | 20,176 34    |              |              |
| Instructor in cooking.....           | 122 50       |              |              |
| Substitutes:                         |              |              |              |
| High schools .....                   | \$631 75     |              |              |
| Rindge Technical school              | 168 00       |              |              |
| Grammar schools .....                | 2,087 93     |              |              |
| Primary schools .....                | 2,917 70     |              |              |
|                                      | <hr/>        | 5,805 38     |              |
| Supervisor in drawing.....           | 2,000 00     |              |              |
| Supervisor in music.....             | 2,000 00     |              |              |
| Evening schools:                     |              |              |              |
| Industrial school .....              | \$2,472 00   |              |              |
| Cooking .....                        | 118 00       |              |              |
| Freehand drawing.....                | 177 00       |              |              |
| Elementary .....                     | 5,824 50     |              |              |
| High .....                           | 2,316 00     |              |              |
| Sewing and millinery...              | 931 50       |              |              |
| Truant officers .....                | 20 00        |              |              |
|                                      | <hr/>        | 11,859 00    |              |
| Special Summer school.....           | 800 00       |              |              |
| Vacation schools .....               | 196 00       |              |              |
| Trade school for girls.....          | 4,932 81     |              |              |
| Unassigned teachers .....            | 3,001 50     |              |              |
| Pension for school agent.....        | 712 00       |              |              |
|                                      | <hr/>        | 433,176 92   |              |
| Text books and supplies:             |              |              |              |
| Apparatus and supplies .....         | \$6,928 88   |              |              |
| Books, maps and charts.....          | 7,970 15     |              |              |
| Binding .....                        | 145 69       |              |              |
| Piano and organ tuning.....          | 63 25        |              |              |
| Postage and stamped envelopes....    | 165 50       |              |              |
| Printing, stationery and supplies... | 4,623 09     |              |              |
| Soap .....                           | 20 93        |              |              |
| Motor service at Rindge school.....  | 113 70       |              |              |
|                                      | <hr/>        | 20,031 19    |              |
| <i>Amounts carried forward</i> ..... | \$478,429 79 | \$565,816 72 |              |



## Education—Continued

## SCHOOL COMMITTEE EXPENSES—Continued

*Amounts brought forward* ..... \$478,429 79      \$565,816 72

## Tuition:

|                                |        |
|--------------------------------|--------|
| Industrial schools .....       | 111 90 |
| Transportation of pupils ..... | 306 00 |
| Support of truants .....       | 788 26 |

## Janitor service:

|   |             |
|---|-------------|
| Janitors and firemen, day schools..             | \$43,404 90 |
| Janitors, and firemen, evening schools          | 1,631 00    |
| Janitors, entertainments and rallies            | 85 00       |
| Janitors at playgrounds.....                    | 100 00      |
| Janitors, vacation schools.....                 | 80 00       |
| Janitors and engineer at Rindge<br>school ..... | 200 00      |
| Janitors, day schools, pensioned....            | 2,600 00    |
| Matron .....                                    | 474 29      |
| Laundress .....                                 | 351 00      |
|   | <hr/>       |
|   | 48,926 19   |

## Fuel and light:

|                         |             |
|-------------------------|-------------|
| Coal and wood .....     | \$19,096 01 |
| Electric ilghting ..... | 2,165 02    |
| Gas lighting .....      | 649 60      |
|                         | <hr/>       |
|                         | 21,910 63   |

## Maintenance of buildings and grounds:

## Janitors supplies:

|                                     |          |
|-------------------------------------|----------|
| Brooms, brushes, etc .....          | \$499 90 |
| Disinfectant .....                  | 275 08   |
| Fire extinguisher .....             | 30 75    |
| Laundering towels .....             | 3 83     |
| Oil, waste, etc.....                | 58 15    |
| Sawdust .....                       | 21 25    |
| Soap, paper towels, etc.....        | 176 62   |
| Tools and miscellaneous supplies... | 115 47   |
| Whitewash .....                     | 39 15    |
|                                     | <hr/>    |
|                                     | 1,220 20 |

## Repairs to buildings:

|   |          |
|---|----------|
| Blackboards .....                                       | \$13 48  |
| Carpentry .....   | 408 18   |
| Clock repairs .....                                     | 221 20   |
| Drain repairs .....                                     | 226 45   |
| Express and teaming .....                               | 22 00    |
| Heating and ventilating apparatus<br>and repairs .....  | 1,600 26 |
| Lighting, apparatus, gongs and elec-<br>tric work ..... | 536 11   |
| Locks, keys, etc. ....                                  | 12 54    |
| Lumber .....  | 57 66    |
| Mason work, plastering, etc. ....                       | 371 06   |
| Miscellaneous supplies for repairs..                    | 15 08    |
| Painting and glazing .....                              | 712 15   |
| Plumbing .....  | 1,121 71 |
| Repairs to desks and chairs .....                       | 23 85    |
| Repairs to machinery, etc. ....                         | 79 87    |
| Roof repairs and removing snow....                      | 262 66   |
|   | <hr/>    |
|   | 5,684 26 |

*Amounts carried forward* ..... \$557,377 23      \$565,816 72

Education—Continued

SCHOOL COMMITTEE EXPENSES—Continued

|  |              |              |
|--|--------------|--------------|
| Amounts brought forward .....                        | \$557,377 23 | \$565,816 72 |
| Care of grounds:                                     |              |              |
| Carpenters .....                                     | \$1,144 00   |              |
| Gardeners .....                                      | 702 00       |              |
| Cleaning trees .....                                 | 6 16         |              |
|  | <hr/>        | 1,852 16     |
| Flags and flagstuffs:                                |              |              |
| Flags and halyards .....                             | \$104 98     |              |
| Raising and housing topmast .....                    | 22 00        |              |
|  | <hr/>        | 126 98       |
| Furniture and furnishings:                           |              |              |
| Baskets .....  | \$33 32      |              |
| Chairs, desks, etc. ....                             | 455 73       |              |
| Ladders .....  | 15 74        |              |
| Piano .....  | 15 00        |              |
| Scale .....  | 12 00        |              |
| Steel mat .....                                      | 8 41         |              |
| Stoves (alcohol and gas) .....                       | 53 75        |              |
| Shades and awnings .....                             | 31 87        |              |
|  | <hr/>        | 625 82       |
| Other school expenses:                               |              |              |
| Auto hire .....                                      | \$2 00       |              |
| Boiler insurance .....                               | 405 48       |              |
| Bonds .....  | 5 00         |              |
| Clothing for Fresh Air School .....                  | 31 62        |              |
| Express and teaming .....                            | 479 80       |              |
| Medical supplies .....                               | 13 96        |              |
| Prizes .....   | 7 50         |              |
| Services of lecturers .....                          | 20 00        |              |
|  | <hr/>        | 965 36       |
| Graduation expenses:                                 |              |              |
| Tickets and programs .....                           | \$19 50      |              |
| Sanders Theatre .....                                | 40 66        |              |
| Diplomas .....                                       | 252 80       |              |
| Ribbon .....   | 49 38        |              |
| Slides for lanterns .....                            | 13 95        |              |
| Operating moving pictures .....                      | 6 00         |              |
|  | <hr/>        | 382 29       |
| Newsboys' license badges .....                       | 54 44        |              |
|  | <hr/>        |              |
| Total .....  |              | \$561,384 28 |
|  |              | <hr/>        |
|  |              | \$4,432 44   |
| Balance from teachers' increase .....                |              | 382 72       |
|  |              | <hr/>        |
| Balance of appropriation, 1913-1914 .....            |              | \$4,815 16   |
|  |              | <hr/> <hr/>  |
| SPECIAL APPROPRIATION FOR RAISING TEACHERS' SALARIES |              |              |
| Appropriation .....                                  | \$28,000 00  |              |
| EXPENDED   |              |              |
| For teachers salaries:                               |              |              |
| High schools .....                                   | \$3,811 48   |              |
| Rindge Technical School .....                        | 922 00       |              |
|  | <hr/>        |              |
| Amounts carried forward .....                        | \$4,733 48   | \$28,000 00  |

## Education—Continued

## SPECIAL APPROPRIATION FOR RAISING TEACHERS' SALARIES—Concluded

|   |            |             |
|---|------------|-------------|
| <i>Amounts brought forward</i> .....          | \$4,733 48 | \$28,000 00 |
| Trade School for Girls .....                  | 278 00     |             |
| Wellington Training School for Teachers ..... | 618 00     |             |
| Grammar schools .....                         | 11,207 60  |             |
| Primary schools .....                         | 8,609 84   |             |
| Kindergartens .....                           | 1,444 36   |             |
| Supervisor of drawing .....                   | 40 00      |             |
| Assistant in drawing .....                    | 38 00      |             |
| Supervisor of music .....                     | 40 00      |             |
| Music instructor .....                        | 78 00      |             |
| Sewing teachers .....                         | 194 00     |             |
| Manual training in grades .....               | 260 00     |             |
| Fresh Air School .....                        | 76 00      |             |
| Total .....                                   |            | \$27,617 28 |
| Balance of appropriation (see above) .....    |            | \$382 72    |

SPECIAL APPROPRIATION FOR UNPAID BILLS—SCHOOL BOARD  
1912—1913

|  |             |
|--|-------------|
| Appropriation from sale of Riverside School and lot..... | \$2,939 00  |
| Appropriation from sale of Dana school lot.....          | 3,339 00    |
|  | \$6,278 00  |
| Additional appropriation from revenue, 1913-1914 .....   | 5,006 36    |
|  | \$11,284 36 |

## EXPENDED

|                                      |            |             |
|--------------------------------------|------------|-------------|
| Administrative salaries .....        | \$3,132 75 |             |
| General office expenses:             |            |             |
| For advertising .....                | \$44 50    |             |
| Car tickets .....                    | 100 00     |             |
| Expenses to convention.....          | 36 00      |             |
| Printing, stationery, etc.....       | 197 50     |             |
| Services of accountant.....          | 446 25     |             |
| Services of stenographer.....        | 4 20       |             |
| Sundries .....                       | 95         |             |
| Telephone service .....              | 79 21      |             |
|                                      |            | 908 61      |
| Text-books and supplies:             |            |             |
| Apparatus and supplies.....          | 204 05     |             |
| Books, maps, charts, etc.....        | 3 15       |             |
| Stationery, etc. ....                | 73 36      |             |
| Express and teaming.....             | 30 45      |             |
| Tuning pianos .....                  | 23 41      |             |
|                                      |            | 334 42      |
| Industrial schools .....             | 350 54     |             |
| Transportation of pupils .....       | 79 20      |             |
| Support of truants .....             | 408 99     |             |
| <i>Amounts carried forward</i> ..... | \$5,214 51 | \$11,284 36 |



## Education—Continued

SPECIAL APPROPRIATION FOR UNPAID BILLS, SCHOOL BOARD, 1912-1913 —  
Concluded

Amounts brought forward ..... \$5,214 51      \$11,284 36

## Maintenance of buildings and grounds:

## Janitors' supplies:

|                              |         |       |
|------------------------------|---------|-------|
| Disinfectant .....           | \$34 50 |       |
| Miscellaneous supplies ..... | 92      |       |
| Sawdust .....                | 2 50    |       |
|                              | <hr/>   | 37 92 |

## Repairs:

|                               |        |        |
|-------------------------------|--------|--------|
| Carpentry and lumber .....    | \$3 73 |        |
| Chair .....                   | 10 50  |        |
| Clocks and repairs .....      | 33 15  |        |
| Drain repairs .....           | 182 73 |        |
| Express and teaming.....      | 167 65 |        |
| Glazing and painting .....    | 25 84  |        |
| Heating and ventilating ..... | 6 15   |        |
| Locks, door checks, etc. .... | 15 45  |        |
| Roof repairs .....            | 13 90  |        |
|                               | <hr/>  | 459 10 |

Flags and flagstaffs ..... 35 00

## Fuel and light:

|                    |            |          |
|--------------------|------------|----------|
| Coal and wood..... | \$3,411 03 |          |
| Lighting .....     | 835 80     |          |
|                    | <hr/>      | 4,246 83 |

## Janitor service:

|                            |          |        |
|----------------------------|----------|--------|
| Evening schools .....      | \$769 00 |        |
| Lectures and rallies ..... | 7 00     |        |
|                            | <hr/>    | 776 00 |

## Furniture and furnishings:

|              |         |       |
|--------------|---------|-------|
| Chairs ..... | \$40 00 |       |
| Rug .....    | 17 75   |       |
|              | <hr/>   | 57 75 |

## Other expenses:

## Graduation expenses:

|                             |        |        |
|-----------------------------|--------|--------|
| Sanders Theatre .....       | \$5 34 |        |
| Diplomas and engrossing.... | 8 70   |        |
|                             | <hr/>  | 14 04  |
| Insurance .....             | 224 00 |        |
| Laundering towels .....     | 3 83   |        |
|                             | <hr/>  | 241 87 |

Total ..... \$11,068 98

Surplus of appropriation transferred to Reserve Fund..... \$215 38

## THORNDIKE SCHOOLHOUSE

Appropriation from 1913 ..... \$1,018 52

## EXPENDED

|                                |         |
|--------------------------------|---------|
| For catches on windows.....    | \$15 80 |
| Fence .....                    | 489 00  |
| Furniture and furnishings..... | 275 60  |
| Painting fence .....           | 30 00   |
| Partition in pipe .....        | 40 00   |
|                                | <hr/>   |

Amounts carried forward ..... \$850 40      \$1,018 52



## Education—Concluded

## THORNDIKE SCHOOL—Concluded

|                                       |          |             |
|---------------------------------------|----------|-------------|
| <i>Amounts brought forward</i> .....  | \$850 40 | \$1,018 52  |
| Plumbing .....                        | 4 65     |             |
| Tools and miscellaneous supplies..... | 16 74    |             |
|                                       | <hr/>    |             |
| Total .....                           |          | 871 79      |
|                                       |          | <hr/>       |
| Balance of appropriation .....        |          | \$146 73    |
|                                       |          | <hr/> <hr/> |

## SPECIAL APPROPRIATION—SCHOOL TEACHERS' PENSIONS

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$6,800 00 |
|---------------------|------------|

## EXPENDED

|   |            |             |
|---|------------|-------------|
| For teachers' pensions .....                              | \$6,687 50 |             |
|   | <hr/>      |             |
| Total .....   |            | \$6,687 50  |
|   |            | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund..... |            | \$112 50    |
|   |            | <hr/> <hr/> |

## LIBRARIES

## CENTRAL LIBRARY

## Salaries

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$13,804 00 |
|---------------------|-------------|

## EXPENDED

|   |            |             |
|---|------------|-------------|
| For salaries of:                              |            |             |
| Librarian .....                               | \$1,700 00 |             |
| Head assistant .....                          | 1,300 00   |             |
| Other regular assistants .....                | 7,452 61   |             |
| Sunday assistants, substitutes and pages .... | 1,288 69   |             |
| Janitor and assistant .....                   | 1,872 00   |             |
|   | <hr/>      |             |
|   |            | \$13,613 30 |

## Cambridgeport Branch:

|                 |          |
|-----------------|----------|
| Librarian ..... | \$187 50 |
| Assistant ..... | 79 07    |
|                 | <hr/>    |

|             |           |
|-------------|-----------|
| Total ..... | 13,879 87 |
|             | <hr/>     |

|  |             |
|--|-------------|
| Excess of expenditure over appropriation ..... | \$75 87     |
| Transfer from Reserve Fund .....               | 75 87       |
|  | <hr/> <hr/> |

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$9,780 00 |
|---------------------|------------|

## EXPENDED

|                                      |            |            |
|--------------------------------------|------------|------------|
| For books and periodicals .....      | \$4,373 30 |            |
| Binding .....                        | 733 26     |            |
| Art assessment .....                 | 6 00       |            |
| Fuel .....                           | 621 00     |            |
| Lighting .....                       | 520 50     |            |
|                                      | <hr/>      |            |
| <i>Amounts carried forward</i> ..... | \$6,254 06 | \$9,780 00 |

## Libraries—Continued

## CENTRAL LIBRARY, GENERAL EXPENSES—Continued

|   |            |                     |
|---|------------|---------------------|
| <i>Amounts brought forward</i> .....                      | \$6,254 06 | \$9,780 00          |
| Care and repair of buildings:                             |            |                     |
| Furniture and furnishings .....                           | \$46 67    |                     |
| Inspection of boilers .....                               | 10 00      |                     |
| Janitor's supplies .....                                  | 29 12      |                     |
|   | <hr/>      | 85 79               |
| Repairs:  |            |                     |
| Clock repairs .....                                       | \$1 96     |                     |
| Electrical work and supplies ....                         | 6 92       |                     |
| Heating apparatus repairs .....                           | 14 70      |                     |
| Plumbing .....  | 9 46       |                     |
| Roof repairs .....  | 19 21      |                     |
| Miscellaneous supplies for repairs                        | 60 17      |                     |
|   | <hr/>      | 112 42              |
| Other expenses:   |            |                     |
| Bulletins .....   | 272 45     |                     |
| Car tickets .....   | 30 00      |                     |
| Catalog cards .....                                       | 94 67      |                     |
| Delivery to local stations .....                          | 444 60     |                     |
| Expressage .....  | 19 73      |                     |
| Ice .....   | 7 47       |                     |
| Insurance .....   | 180 00     |                     |
| Laundry work .....  | 15 15      |                     |
| Local stations .....                                      | 293 00     |                     |
| Membership .....  | 10 00      |                     |
| Printing, stationery and office supplies .....            | 568 87     |                     |
| Rent of safe deposit vault .....                          | 5 00       |                     |
| Signs .....   | 12 80      |                     |
| Spring water .....  | 7 25       |                     |
| Telephone service .....                                   | 73 16      |                     |
| Typewriter supplies .....                                 | 12 51      |                     |
|   | <hr/>      | \$8,498 93          |
| Cambridgeport Branch:                                     |            |                     |
| Art assessment .....                                      | 6 00       |                     |
| Books and periodicals .....                               | 558 83     |                     |
| Catalogue cards .....                                     | 7 09       |                     |
| Care and repair of building:                              |            |                     |
| Carpentry .....   | \$222 25   |                     |
| Furniture .....   | 229 88     |                     |
| Miscellaneous supplies .....                              | 2 06       |                     |
|   | <hr/>      | 454 19              |
| Expressage .....  | 5 00       |                     |
| Insurance .....   | 18 00      |                     |
| Rent of buildings .....                                   | 90 00      |                     |
| Signs .....   | 3 00       |                     |
| Stationery, printing and office supplies .....            | 59 31      |                     |
| Telephone service .....                                   | 2 80       |                     |
|   | <hr/>      | \$1,204 22          |
| Total .....   |            | 9,703 15            |
| Surplus of appropriation transferred to Reserve Fund..... |            | <hr/> \$76 85 <hr/> |

## Libraries—Continued

## EAST CAMBRIDGE BRANCH

## Salaries

|  |          |             |
|--|----------|-------------|
| Appropriation .....  |          | \$1,654 00  |
| For salaries of:   |          |             |
| Custodian .....  | \$470 83 |             |
| Assistants .....   | 423 05   |             |
| Janitor .....  | 324 00   |             |
|  | <hr/>    |             |
| Total .....  |          | 1,217 88    |
|  |          | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund ..... |          | \$436 12    |
|  |          | <hr/> <hr/> |

## General Expenses

|  |            |             |
|--|------------|-------------|
| Appropriation .....  |            | \$1,800 00  |
|  | EXPENDED   |             |
| For books and periodicals .....                            | \$1,204 67 |             |
| Binding .....  | 138 88     |             |
| Art assessment .....                                       | 3 00       |             |
| Catalog cards .....  | 16 25      |             |
| Care and repairs of buildings:                             |            |             |
| Furniture and furnishings .....                            | \$167 86   |             |
| Janitor's supplies .....                                   | 17 69      |             |
|  | <hr/>      |             |
|  |            | 185 55      |
| Expressage .....   | 1 05       |             |
| Insurance .....  | 57 00      |             |
| Lighting .....   | 87 60      |             |
| Stationery, printing and supplies .....                    | 81 75      |             |
| Telephone service .....                                    | 24 00      |             |
|  | <hr/>      |             |
| Total .....  |            | 1,799 75    |
|  |            | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund ..... |            | \$ 25       |
|  |            | <hr/> <hr/> |

## NORTH CAMBRIDGE BRANCH

## Salaries

|  |          |             |
|--|----------|-------------|
| Appropriation .....  |          | \$2,211 50  |
|  | EXPENDED |             |
| For salaries of:   |          |             |
| Custodian .....  | \$823 70 |             |
| Assistants .....   | 1,005 80 |             |
| Pages .....  | 47 50    |             |
| Janitor .....  | 324 00   |             |
|  | <hr/>    |             |
| Total .....  |          | 2,201 00    |
|  |          | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund ..... |          | \$10 50     |
|  |          | <hr/> <hr/> |

## Libraries—Concluded

## NORTH CAMBRIDGE BRANCH, GENERAL EXPENSES—Concluded

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,100 00 |
|---------------------|------------|

## EXPENDED

|   |            |
|---|------------|
| For books and periodicals .....         | \$1,244 14 |
| Binding .....                           | 186 13     |
| Art assessment .....                    | 3 00       |
| Care and repair of buildings:           |            |
| Carpentry .....                         | \$12 60    |
| Electrical supplies and repairs....     | 115 70     |
| Janitor's supplies .....                | 1 53       |
| Painting .....                          | 112 00     |
| Supplies for repairs .....              | 7 14       |
|   | <hr/>      |
|   | 248 97     |
| Catalog cards .....                     | 26 39      |
| Decorations .....                       | 4 60       |
| Expressage .....                        | 1 15       |
| Ice .....                               | 16 00      |
| Insurance .....                         | 48 00      |
| Lighting .....                          | 159 35     |
| Stationery, printing and supplies ..... | 136 51     |
| Telephone service .....                 | 24 90      |
| Water .....                             | 75         |
|   | <hr/>      |

|             |          |
|-------------|----------|
| Total ..... | 2,099 89 |
|-------------|----------|

|  |       |
|--|-------|
| Surplus of appropriation transferred to Reserve Fund ..... | \$ 11 |
|--|-------|

## RECREATION

## PARK DEPARTMENT MAINTENANCE

## Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,800 00 |
|---------------------|------------|

## EXPENDED

|                                      |            |
|--------------------------------------|------------|
| For salaries of:                     |            |
| General superintendent of parks..... | \$2,000 00 |
| Clerk .....                          | 839 00     |
| Temporary clerk .....                | 10 83      |
|                                      | <hr/>      |

|             |          |
|-------------|----------|
| Total ..... | 2,849 83 |
|-------------|----------|

|   |         |
|---|---------|
| Excess of expenditure over appropriation..... | \$49 83 |
|---|---------|

|                                    |       |
|------------------------------------|-------|
| Transferred from Reserve Fund..... | 49 83 |
|------------------------------------|-------|

## General Expenses

|  |             |
|--|-------------|
| Appropriation .....                                    | \$23,110 00 |
| Transfer to Street Department, for care of horses..... | 432 00      |

|  |       |             |
|--|-------|-------------|
|  | <hr/> | \$22,678 00 |
|--|-------|-------------|

## EXPENDED

|   |             |
|---|-------------|
| For labor as per payroll.....                         | \$13,198 96 |
| Salaries of superintendents and attendants at fields: |             |
| Superintendent at Cambridge Field                     | \$995 73    |
| Matrons .....   | 1,101 68    |
| Firemen and janitors.....                             | 761 79      |
|   | <hr/>       |
|   | 2,859 20    |

|                              |             |             |
|------------------------------|-------------|-------------|
| Amounts carried forward..... | \$16,058 16 | \$22,678 00 |
|------------------------------|-------------|-------------|



## Recreation—Continued

## PARK DEPARTMENT, MAINTENANCE, GENERAL EXPENSES—Continued

|   |             |             |
|---|-------------|-------------|
| <i>Amounts brought forward</i> .....              | \$16,058 16 | \$22,678 00 |
| Attendants at bath house, Captains Island:        |             |             |
| Life guards .....                                 | \$554 63    |             |
| Cashier .....                                     | 90 00       |             |
| Matron .....                                      | 29 97       |             |
|   | <hr/>       | 674 60      |
| Attendants at floating baths:                     |             |             |
| Life guards .....                                 | \$240 75    |             |
| Matron .....                                      | 15 03       |             |
|   | <hr/>       | 255 78      |
| General expenses:                                 |             |             |
| Annual reports .....                              |             | 160 77      |
| Athletic supplies .....                           |             | 9 41        |
| Automobile supplies and repairs:                  |             |             |
| Automobile (exchange) .....                       | \$274 00    |             |
| Automobile hire .....                             | 12 90       |             |
| Automobile storage .....                          | 45 00       |             |
| Automobile supplies and repairs....               | 285 39      |             |
|   | <hr/>       | 617 29      |
| Badges .....                                      |             | 3 00        |
| Car tickets .....                                 |             | 10 00       |
| Directory .....                                   |             | 4 00        |
| Examination of water (pond near Russell Field)... |             | 10 00       |
| Expenses of committee .....                       |             | 91 81       |
| Express .....                                     |             | 40          |
| Fountain .....                                    |             | 36 00       |
| Fire extinguisher .....                           |             | 20 58       |
| Fuel and light:                                   |             |             |
| Fuel .....  | \$461 66    |             |
| Lighting .....                                    | 4,136 76    |             |
|   | <hr/>       | 4,598 32    |
| Framing map .....                                 |             | 3 75        |
| Gravel, sand, loam, etc.....                      |             | 268 67      |
| Harness and repairs .....                         |             | 115 97      |
| Horseshoeing and blacksmithing.....               |             | 56 49       |
| Hose .....  |             | 126 28      |
| Housing and raising topmast.....                  |             | 13 86       |
| Laundry .....                                     |             | 373 53      |
| Lime and cement .....                             |             | 6 91        |
| Medical supplies .....                            |             | 2 43        |
| Music (Russell Field) .....                       |             | 94 50       |
| Plants and seeds .....                            |             | 26 18       |
| Photograph supplies .....                         |             | 3 18        |
| Repairs:  |             |             |
| Carpentry and lumber .....                        | \$488 73    |             |
| Fence repairs .....                               | 135 69      |             |
| Granolithic walk repairs .....                    | 48 75       |             |
| Heating and ventilating .....                     | 50 53       |             |
| Mason work .....                                  | 21 60       |             |
| Plumbing .....                                    | 49 08       |             |
| Slats and stakes .....                            | 71 45       |             |
|   | <hr/>       | 865 83      |
| <i>Amounts carried forward</i> .....              | \$24,507 70 | \$22,678 00 |

## Recreation—Continued

## PARK DEPARTMENT, MAINTENANCE, GENERAL EXPENSES—Concluded

|  |               |                 |
|--|---------------|-----------------|
| <i>Amounts brought forward</i> .....           | \$24,507 70   | \$22,678 00     |
| Settees .....                                  | 104 17        |                 |
| Sharpening saws .....                          | 2 30          |                 |
| Signs for fences .....                         | 20 50         |                 |
| Stationery, printing and office supplies ..... | 255 35        |                 |
| Tarvia .....                                   | 168 00        |                 |
| Telephone service .....                        | 161 61        |                 |
| Turning water off and on .....                 | 1 00          |                 |
| Towing bath house .....                        | 70 00         |                 |
| Teaming .....                                  | 270 00        |                 |
| Supplies:                                      |               |                 |
| Soap, etc. ....                                | \$133 80      |                 |
| Towels .....                                   | 52 50         |                 |
| Tools and misc. supplies .....                 | 149 81        |                 |
|  | <u>336 11</u> |                 |
| Total .....                                    |               | \$25,896 74     |
| Excess of expenditure over appropriation ..... |               | \$3,218 74      |
| Transferred from Reserve Fund .....            |               | <u>3,218 74</u> |

## PARK DEPARTMENT—CONSTRUCTION AND LANDS

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$25,627 51 |
|---------------------|-------------|

## EXPENDED

|  |            |                    |
|--|------------|--------------------|
| For labor, as per payroll .....        | \$4,485 32 |                    |
| Advertising .....                      | 7 84       |                    |
| Filling .....                          | 29 00      |                    |
| Filling, as per payroll .....          | 176 00     |                    |
| Iron fence .....                       | 481 79     |                    |
| Laying coping on stone wall .....      | 283 20     |                    |
| Loam, gravel, etc. ....                | 416 04     |                    |
| Lumber .....                           | 23 49      |                    |
| Oil .....                              | 4 50       |                    |
| Rebate on granolithic walk .....       | 47 94      |                    |
| Stone .....                            | 2,551 52   |                    |
| Tarvia .....                           | 1,671 21   |                    |
| Teaming, as per payroll .....          | 1,654 50   |                    |
| Tools and miscellaneous supplies ..... | 75 03      |                    |
| Total .....                            |            | <u>11,907 38</u>   |
| Balance of appropriation .....         |            | <u>\$13,720 13</u> |

## SHOWER BATHS, THORNDIKE SCHOOL

|                                       |            |
|---------------------------------------|------------|
| Appropriation from Reserve Fund ..... | \$1,000 00 |
|---------------------------------------|------------|

## EXPENDED

|                                       |                 |                   |
|---------------------------------------|-----------------|-------------------|
| For salaries of:                      |                 |                   |
| Janitor .....                         | \$352 93        |                   |
| Assistant janitor .....               | 204 28          |                   |
| Matron .....                          | 103 14          |                   |
| Laundress .....                       | 118 28          |                   |
| Electrical supplies and repairs ..... | 20 65           |                   |
| <i>Amount carried forward</i> .....   | <u>\$799 28</u> | <u>\$1,000 00</u> |

## Recreation—Continued

## SHOWER BATHS, THORNDIKE SCHOOL—Concluded

|  |          |             |
|--|----------|-------------|
| <i>Amounts brought forward</i> .....           | \$799 28 | \$1,000 00  |
| Shades .....                                   | 4 90     |             |
| Signs .....                                    | 3 92     |             |
| Soap .....                                     | 26 22    |             |
| Stationery, etc. ....                          | 1 20     |             |
| Towels .....                                   | 182 50   |             |
|  | <hr/>    |             |
| Total .....                                    |          | 1,018 02    |
|  |          | <hr/>       |
| Excess of expenditure over appropriation ..... |          | \$18 02     |
| Transferred from Reserve Fund .....            |          | 18 02       |
|  |          | <hr/> <hr/> |

## PLAYGROUND COMMISSION—SALARIES

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$3,000 00 |
|---------------------|------------|

## EXPENDED

|  |            |             |
|--|------------|-------------|
| For teachers' salaries .....                               | \$2,949 75 |             |
|  | <hr/>      |             |
| Total .....  |            | 2,949 75    |
|  |            | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund ..... |            | \$50 25     |
|  |            | <hr/> <hr/> |

## PLAYGROUND—GENERAL EXPENSES

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$700 00 |
|---------------------|----------|

## EXPENDED

|   |        |             |
|---|--------|-------------|
| For labor, as per payroll .....   | \$7 88 |             |
| Athletic goods .....  | 256 18 |             |
| Car tickets .....   | 45 00  |             |
| Exhibition expenses:  |        |             |
| Chairs .....  | \$1 50 |             |
| Erecting bandstand .....  | 25 00  |             |
| Music .....   | 79 25  |             |
| Prizes .....  | 69 35  |             |
| Programs .....  | 14 70  |             |
|   | <hr/>  |             |
|   |        | 189 80      |
| Materials, raffia and needles .....   | 43 45  |             |
| Membership to Society (Playgrounds and Recreation Association of America) ..... | 5 00   |             |
| Miscellaneous supplies .....  | 32 95  |             |
| Printing, stationery, etc. ....   | 9 80   |             |
| Sand .....  | 55 30  |             |
| Signs .....   | 4 90   |             |
| Special cars .....  | 48 00  |             |
|   | <hr/>  |             |
| Total .....   |        | 698 26      |
|   |        | <hr/>       |
| Surplus of appropriation transferred to Reserve Fund .....                      |        | \$1 74      |
|   |        | <hr/> <hr/> |

## Recreation—Continued

PARK DEPARTMENT—CONSTRUCTION AND EQUIPMENT OF  
PLAYGROUNDS

|  |             |
|--|-------------|
| Appropriation from 1913 .....                            | \$284 54    |
| Appropriation .....                                      | 25,000 00   |
| Appropriation from Russell Field .....                   | 6,074 39    |
|  | <hr/>       |
|  | \$31,358 93 |
| Transferred to sewer, separate system (sewer work) ..... | 293 28      |
|  | <hr/>       |
|  | \$31,065 65 |

## EXPENDED

|  |            |
|--|------------|
| For labor, as per payroll .....          | \$4,669 90 |
| Advertising .....                        | 96 41      |
| Apparatus and athletic supplies .....    | 568 00     |
| Awnings .....                            | 214 80     |
| Bleachers .....                          | 5,968 75   |
| Carpentry and lumber .....               | 241 39     |
| Drainage .....                           | 119 48     |
| Filling, gravel, loam, etc. ....         | 6,318 35   |
| Flag poles and setting .....             | 44 70      |
| Fuel .....                               | 34 28      |
| Iron fences .....                        | 7,060 69   |
| Installing gas .....                     | 100 59     |
| Installing water system .....            | 340 20     |
| Mason work .....                         | 19 20      |
| Miscellaneous supplies, tools, etc. .... | 48 70      |
| Seeds .....                              | 26 32      |
| Sods .....                               | 60 00      |
| Steam roller .....                       | 2,250 00   |
| Wire netting .....                       | 69 38      |
| Teaming, as per payroll .....            | 1,021 06   |
|  | <hr/>      |
| Total .....                              | 29,272 20  |
|  | <hr/>      |
| Balance of appropriation .....           | \$1,793 45 |
|  | <hr/>      |

## LAND FOR PLAYGROUNDS

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$3,765 00 |
|---------------------|------------|

## EXPENDED

|  |            |
|--|------------|
| For taking land on Clifton Street for entrance to<br>Russell Field ..... | \$750 00   |
|  | <hr/>      |
| Total .....  | 750 00     |
|  | <hr/>      |
| Balance of appropriation .....   | \$3,015 00 |
|  | <hr/>      |



## Recreation—Concluded

## CELEBRATION OF INDEPENDENCE DAY

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,200 00 |
|---------------------|------------|

## EXPENDED

|  |          |
|--|----------|
| For labor .....                                | \$14 62  |
| Badges .....                                   | 2 05     |
| Balls .....                                    | 24 50    |
| Erecting band stands .....                     | 45 00    |
| Expenses of committee .....                    | 58 50    |
| Fireworks .....                                | 168 00   |
| Games .....                                    | 225 00   |
| Lumber .....                                   | 4 26     |
| Music .....                                    | 552 00   |
| Printing, etc. ....                            | 6 95     |
| Prizes .....                                   | 250 00   |
| Sanction, N. E. A. A. Union ..                 | 10 00    |
| Services of electrician .....                  | 25 00    |
| Services of umpires .....                      | 89 35    |
| Teaming .....                                  | 16 75    |
| Use of chairs .....                            | 7 00     |
| Total .....                                    | 1,498 98 |
| Excess of expenditure over appropriation ..... | \$298 98 |
| Transfer from Reserve Fund .....               | 298 98   |

## CELEBRATION OF LABOR DAY

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$400 00 |
|---------------------|----------|

## EXPENDED

|  |        |
|--|--------|
| For athletic goods .....                                   | \$6 00 |
| Badges .....   | 8 00   |
| Games .....  | 60 00  |
| Music .....  | 100 00 |
| Printing, etc. ....  | 15 25  |
| Prizes .....   | 185 00 |
| Sanction, A. E. A. A. Union .....                          | 10 00  |
| Services of umpires .....                                  | 89 35  |
| Total .....  | 399 25 |
| Surplus of appropriation transferred to Reserve Fund ..... | \$0 75 |

## CELEBRATION OF MEMORIAL DAY

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$1,200 00 |
|---------------------|------------|

## EXPENDED

|   |            |
|---|------------|
| For observance of Memorial Day by the Grand<br>Army of the Republic and Spanish War Vet-<br>erans ..... | \$1,200 00 |
|   | \$1,200 00 |

## UNCLASSIFIED

## DAMAGES TO PERSONS AND PERSONAL PROPERTY

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$4,500 00 |
|---------------------|------------|

## EXPENDED

## Executions of court:

## For injuries from defect in street:

|   |          |            |
|---|----------|------------|
| Wm. J. Corcoran, attorney for Catherine Kelley .....  | \$300 00 |            |
| Wm. J. Corcoran, attorney for James W. Brown .....  | 150 00   |            |
| Coakley & Sherman, attorneys for Hugh D. Walsh .....  | 650 00   |            |
| Coakley & Sherman, attorneys for Mary Doran .....   | 450 00   |            |
| Coakley & Sherman, attorneys for James T. Phelan .....                                      | 100 00   |            |
| W. E. Collins, attorney for Edith E. Gauthier .....   | 350 00   |            |
| W. J. Corcoran, attorney for Ellsworth W. Danforth .....                                    | 50 00    |            |
| J. Richard Lukin, attorney for Harry Gavel .....  | 100 00   |            |
| C. J. Muldoon, attorney for Thos. J. O'Brien .....  | 50 00    |            |
| C. J. Muldoon, attorney for Mary O'Brien .....  | 200 00   |            |
| Addison R. Pike, attorney for Ida A. Hobbs .....  | 250 00   |            |
| A. L. Stinson, attorney for Margaret Daly .....   | 125 00   |            |
| James B. Vallely, attorney for Mary A. Driscoll .....                                       | 1,200 00 |            |
| Bessie L. Coleman (E. L. McManus, attorney), injuries by city team in getting off car ..... | 200 00   |            |
| Arthur L. Woodman, attorney for Lila S. Yound, injury from obstruction in street .....      | 250 00   |            |
|   | <hr/>    | \$4,425 00 |

## Damages awarded:

## Damages from fallen trees:

|                                    |        |       |
|------------------------------------|--------|-------|
| J. Z. Currie .....                 | \$7 50 |       |
| Susan Doran .....                  | 5 00   |       |
| Melisa J. Dykeman .....            | 10 00  |       |
| Roscoe S. Farnham .....            | 4 85   |       |
| J. Robert McKenzie .....           | 1 96   |       |
| Israel Nesson .....                | 2 00   |       |
| Charles E. Pierce .....            | 11 00  |       |
| St. Mary's Catholic Association... | 2 90   |       |
| Nellie E. Swain .....              | 30 00  |       |
| Laura J. Hovey .....               | 3 04   |       |
|                                    | <hr/>  | 78 25 |

|                               |            |            |
|-------------------------------|------------|------------|
| Amounts carried forward ..... | \$4,503 25 | \$4,500 00 |
|-------------------------------|------------|------------|

## Unclassified—Continued

## DAMAGES TO PERSONS AND PERSONAL PROPERTY—Concluded

Amounts brought forward ..... \$4,503 25      \$4,500 00

## Injuries from defect in sidewalk:

|                                   |          |        |
|-----------------------------------|----------|--------|
| Edward A. Counihan, attorney for  |          |        |
| John Elston .....                 | \$100 00 |        |
| John H. Hurley, attorney for John |          |        |
| A. McGilvary .....                | 300 00   |        |
| Mary A. Worthery .....            | 300 00   |        |
|                                   | <hr/>    | 700 00 |

## Injuries to property:

|                                |          |        |
|--------------------------------|----------|--------|
| John P. Brennan, attorney for  |          |        |
| Eugene L. Sullivan .....       | \$100 00 |        |
| James F. Aylward, attorney for |          |        |
| Samuel Gosman .....            | 50 00    |        |
| William Dymcza .....           | 150 00   |        |
| Ann Farrell .....              | 25 00    |        |
| Mabel S. Kendall .....         | 15 00    |        |
| William Kelley .....           | 20 50    |        |
| H. P. Hood & Sons .....        | 50 00    |        |
| J. Frank Telfer .....          | 5 00     |        |
| Daniel J. Sawyer .....         | 10 00    |        |
| Mary McCarthy .....            | 10 00    |        |
|                                | <hr/>    | 435 50 |

Total ..... \$5,638 75

|  |             |
|--|-------------|
| Excess of expenditure over appropriation ..... | \$1,138 75  |
| Transferred from Reserve Fund .....            | 1,138 75    |
|  | <hr/> <hr/> |

## NEW SYSTEM OF ACCOUNTING

Appropriation ..... \$2,256 94

## EXPENDED

|  |          |
|--|----------|
| For express and freight .....                  | \$12 56  |
| Stationery, printing and office supplies ..... | 2,244 38 |

Total ..... \$2,256 94

## MEMORIAL FLAG STAFF

|  |            |
|--|------------|
| Appropriation .....                              | \$4,800 00 |
| Gift from Daughters of American Revolution ..... | 1,255 00   |
| Gift from Boston Elevated Railway Co.....        | 250 00     |
|  | <hr/>      |
|  | \$6,305 00 |

## EXPENDED

|                               |            |
|-------------------------------|------------|
| For Memorial flag staff ..... | \$6,030 00 |
|-------------------------------|------------|

Total ..... 6,030 00

|                          |             |
|--------------------------|-------------|
| Balance unexpended ..... | \$275 00    |
|                          | <hr/> <hr/> |

## Unclassified—Continued

## PUBLIC SERVICE ENTERPRISES

## WATER WORKS—CONSTRUCTION GENERAL

|   |           |
|---|-----------|
| Appropriation brought forward from 1913 ..... | \$44 85   |
| Additional appropriation .....                | 40,000 00 |

---

\$40,044 85

## EXPENDED

|                                    |             |
|------------------------------------|-------------|
| For labor, as per payroll .....    | \$12,113 38 |
| Advertising .....                  | 46 28       |
| Cement .....                       | 40 68       |
| Expressage and freight .....       | 1,324 09    |
| Gate valves and boxes .....        | 1,500 16    |
| Hydrants .....                     | 1,090 50    |
| Lead .....                         | 1,230 42    |
| Lumber .....                       | 45 83       |
| Miscellaneous supplies.....        | 7 35        |
| Packing .....                      | 29 01       |
| Pipes, castings, etc. ....         | 14,262 68   |
| Sand, gravel, etc. ....            | 5 87        |
| Teaming .....                      | 34 54       |
| Unloading pipe on side track ..... | 44 00       |

## Meters:

|                             |            |
|-----------------------------|------------|
| Meters .....                | \$4,450 29 |
| Meter boxes .....           | 163 81     |
| Labor, as per payroll ..... | 341 05     |
|                             | <hr/>      |
|                             | 4,955 15   |

|             |           |
|-------------|-----------|
| Total ..... | 36,729 94 |
|-------------|-----------|

|                                |            |
|--------------------------------|------------|
| Balance of appropriation ..... | \$3 314 91 |
|--------------------------------|------------|

## Construction Hobbs Brook Conduit

|   |            |
|---|------------|
| Appropriation brought forward from 1913 ..... | \$6,065 39 |
| Additional appropriation .....                | 10,000 00  |

---

\$16,065 39

## EXPENDED

|  |            |
|--|------------|
| For taking of land:                            |            |
| Holworthy Street, Catherine Gilmore et al. ... | \$5,000 00 |
|  | 1,386 00   |
| Grove Street:                                  |            |
| F. E. Crikett .....                            | \$50 00    |
| Wm. J. Lowell .....                            | 25 00      |
| Edward P. Smith .....                          | 25 00      |
|  | <hr/>      |
|  | 100 00     |

|             |          |
|-------------|----------|
| Total ..... | 6,486 00 |
|-------------|----------|

|                                |            |
|--------------------------------|------------|
| Balance of appropriation ..... | \$9,579 39 |
|--------------------------------|------------|

## Detector Meters

|   |            |
|---|------------|
| Appropriation brought forward from 1913 .....     | \$2,470 12 |
| Additional appropriation from Revenue (all) ..... | 5,000 00   |

---

\$7,470 12

|                              |            |
|------------------------------|------------|
| Amount carried forward ..... | \$7,470 12 |
|------------------------------|------------|



## Public Service Enterprises—Continued

## WATER WORKS—CONSTRUCTION GENERAL—Concluded

Amount brought forward ..... \$7,470 12

## EXPENDED

|                                 |          |
|---------------------------------|----------|
| For labor, as per payroll ..... | \$353 86 |
| Building manholes .....         | 55 79    |
| Building meter boxes .....      | 653 12   |
| Expressage .....                | 88       |
| Frames and covers .....         | 146 25   |
| Meters .....                    | 2,953 00 |
| Pipes and fittings .....        | 22 84    |

Total ..... 4,185 74

Balance of appropriation ..... \$3 284 38

MAINTENANCE, SALARIES OF SUPERINTENDENT, REGISTRAR,  
INSPECTORS AND CLERKS

Appropriation ..... \$15,794 50

## EXPENDED

For salaries of:

|  |          |
|--|----------|
| Superintendent, now retired on pension ..... | \$311 50 |
| Registrar and clerk of Water Board .....     | 2,500 00 |
| Inspectors .....                             | 6,173 84 |
| Clerks .....                                 | 5,206 50 |

Total ..... 14,191 84

Transfer to Water Dept. Maint. Pumping Salaries and Labor ..... \$1,602 66  
607 03

Surplus of appropriation transferred to Water Sinking Fund .. \$995 63

## MAINTENANCE, GENERAL AND RESERVOIRS

Appropriation ..... \$83,773 97

## EXPENDED

|                                    |             |
|------------------------------------|-------------|
| For labor, as per payroll .....    | \$37,055 42 |
| Engineering, as per payroll .....  | 709 81      |
| Pensions, as per payroll .....     | 792 81      |
| Teaming .....                      | 6 00        |
| Advertising .....                  | 5 39        |
| Analysis of water .....            | 15 07       |
| Automobile supplies .....          | 153 71      |
| Automobile registration .....      | 12 50       |
| Automobile truck, final payment .. | 305 00      |
| Badges .....                       | 4 40        |

Amounts carried forward ..... \$39,060 11 \$83,773 97

## Public Service Enterprises—Continued

## MAINTENANCE, GENERAL AND RESERVOIRS—Continued

|  |             |             |
|--|-------------|-------------|
| <i>Amounts brought forward</i> .....                               | \$39,060 11 | \$83,773 97 |
| Blacksmithing .....  | 360 31      |             |
| Car tickets .....  | 225 00      |             |
| Cash expended for car fares, etc...                                | 2 30        |             |
| Carriage hire .....  | 251 76      |             |
| Carriage and wagon repairs .....                                   | 193 38      |             |
| Cement and clay goods .....  | 36 07       |             |
| Damages .....  | 54 50       |             |
| Electrical supplies and repairs .....                              | 129 93      |             |
| Entertainment of City Government<br>and Inspections by Board ..... | 1,567 02    |             |
| Expressage and freight .....                                       | 125 84      |             |
| Fountain repairs .....   | 347 42      |             |
| Fuel .....   | 100 65      |             |
| Gate valves .....  | 1,922 54    |             |
| Gravel, stone, etc. ....   | 36 16       |             |
| Hardware, tools and miscellaneous<br>supplies .....                | 507 59      |             |
| Harness and repairs .....  | 137 52      |             |
| Hay, grain and straw .....   | 682 45      |             |
| Horseshoeing and clipping .....                                    | 335 65      |             |
| Hose and rubber goods .....  | 418 34      |             |
| Hydrants, posts, fittings, etc. ....                               | 1,346 59    |             |
| Ice .....  | 6 17        |             |
| Judgment against city, case of<br>Hittinger et als., costs.....    | 3,019 09    |             |
| Judgment against city, case of<br>William T. Megan .....           | 850 00      |             |
| Lanterns and lights .....  | 24 29       |             |
| Lighting office, stable and shop ....                              | 23 42       |             |
| Lumber .....   | 138 25      |             |
| Manhole repairs .....  | 15 40       |             |
| Medical assistance .....   | 2 94        |             |
| Motors, repairs, etc. ....   | 856 00      |             |
| Motor service .....  | 32 80       |             |
| Oil, soap, salt, etc. ....   | 375 53      |             |
| Pipes, fittings, etc. ....   | 6,778 84    |             |
| Repairs on buildings .....   | 935 59      |             |
| Repairs on pavements .....   | 213 48      |             |
| Rubber boots and clothing .....                                    | 121 54      |             |
| Service boxes .....  | 270 16      |             |
| Sinking fund expenses:   |             |             |
| Salary of treasurer .....  | 200 00      |             |
| Taxes and moth assessments .....                                   | 1,733 97    |             |
| Office expenses and telephones:                                    |             |             |
| Addressograph supplies<br>and repairs .....                        | \$428 11    |             |
| Directories .....  | 9 88        |             |
| Furniture .....  | 258 67      |             |
| Maps .....   | 99 18       |             |
| Mounting maps .....  | 29 40       |             |
| Newspapers .....   | 2 21        |             |
| <i>Amounts carried forward</i> ....                                | \$827 45    | \$63,438 60 |
|  |             | \$83,773 97 |

## Public Service Enterprises—Continued

## MAINTENANCE, GENERAL AND RESERVOIRS—Continued

|  |            |             |             |
|--|------------|-------------|-------------|
| <i>Amounts brought forward</i> . . .               | \$827 45   | \$63,438 60 | \$83,773 97 |
| Stationery, printing and office supplies . . . . . | 1,416 89   |             |             |
| Telephone service . . . . .                        | 221 33     |             |             |
| Typewriter supplies and repairs . . . . .          | 35 29      |             |             |
|  |            | 2,500 96    |             |
| Total Water Department Maintenance . . . . .       |            | \$65,939 56 |             |
| Fresh Pond Reservoir:                              |            |             |             |
| Labor, as per payroll . . . . .                    | \$9,758 45 |             |             |
| Advertising . . . . .                              | 40 30      |             |             |
| Auctioneer's services . . . . .                    | 9 80       |             |             |
| Arsenate of lead, creosote, etc. . . . .           | 25 36      |             |             |
| Boat . . . . .                                     | 87 00      |             |             |
| Electrical supplies . . . . .                      | 2 91       |             |             |
| Harness repairs . . . . .                          | 73         |             |             |
| Hay, grain and straw . . . . .                     | 56 79      |             |             |
| Horseshoeing and clipping . . . . .                | 19 94      |             |             |
| Lumber . . . . .                                   | 184 03     |             |             |
| Mowing machine . . . . .                           | 73 15      |             |             |
| Painting . . . . .                                 | 297 41     |             |             |
| Plumbing . . . . .                                 | 23 50      |             |             |
| Services of diver . . . . .                        | 59 06      |             |             |
| Teaming . . . . .                                  | 54 00      |             |             |
| Tools and miscellaneous supplies . . . . .         | 32 09      |             |             |
| Total for Fresh Pond Reservoir . . . . .           |            | 10,724 52   |             |
| Hobbs Brook Reservoir:                             |            |             |             |
| Salary of keeper . . . . .                         | \$786 43   |             |             |
| Advertising . . . . .                              | 4 90       |             |             |
| Auctioneer's services . . . . .                    | 24 50      |             |             |
| Hay, grain and straw . . . . .                     | 47 69      |             |             |
| Harness repairs . . . . .                          | 3 63       |             |             |
| Horseshoeing and clipping . . . . .                | 29 89      |             |             |
| Inspector, medical . . . . .                       | 280 00     |             |             |
| Labor and use of machine haying . . . . .          | 21 75      |             |             |
| Plumbing . . . . .                                 | 5 17       |             |             |
| Telephone service . . . . .                        | 46 53      |             |             |
| Tools and miscellaneous supplies . . . . .         | 8 19       |             |             |
| Water supply, keepers house . . . . .              | 89 46      |             |             |
| Total maintenance Hobbs Brook Reservoir . . . . .  |            | 1,348 14    |             |
| Stony Brook Reservoir:                             |            |             |             |
| Salary of keeper . . . . .                         | \$912 50   |             |             |
| Assistant keeper . . . . .                         | 998 54     |             |             |
| Building cesspool . . . . .                        | 110 00     |             |             |
| Cesspool and vault cleaning . . . . .              | 1,151 80   |             |             |
| Expressage . . . . .                               | 80         |             |             |
| Fuel . . . . .                                     | 16 66      |             |             |
| Harness, repairs, etc. . . . .                     | 70 43      |             |             |
| Hay, grain and straw . . . . .                     | 58 40      |             |             |
| Hose . . . . .                                     | 44 30      |             |             |
| Labor haying . . . . .                             | 5 00       |             |             |
| <i>Amounts carried forward</i> . . . . .           | \$3,368 43 | \$78,012 22 | \$83,773 97 |



## Public Service Enterprises—Continued

## MAINTENANCE, GENERAL AND RESERVOIRS—Concluded

|   |            |             |             |
|---|------------|-------------|-------------|
| <i>Amounts brought forward</i> .....                          | \$3,368 43 | \$78,012 22 | \$83,773 97 |
| Lumber .....  | 8 20       |             |             |
| Medical inspector .....                                       | 200 00     |             |             |
| Permit to empty sewage .....                                  | 50 00      |             |             |
| Plumbing .....  | 34 30      |             |             |
| Range for house .....   | 48 02      |             |             |
| Telephone service .....                                       | 59 30      |             |             |
| Tools and miscellaneous supplies ...                          | 66 47      |             |             |
| Water rates .....   | 19 00      |             |             |
| <hr/>   |            |             |             |
| Total for Stony Brook Reservoir.....                          |            | 3,853 72    |             |
| Payson Park Reservoir:  |            |             |             |
| Salary of keeper .....  | \$883 84   |             |             |
| Labor, sundry persons .....                                   | 211 50     |             |             |
| Electrical supplies and repairs .....                         | 69 73      |             |             |
| Fuel .....  | 15 18      |             |             |
| Lighting .....  | 1 00       |             |             |
| Rubber boots .....  | 9 72       |             |             |
| Stone .....   | 13 72      |             |             |
| Tools and miscellaneous supplies ..                           | 4 78       |             |             |
| <hr/>   |            |             |             |
| Total for Stony Brook Reservoir.....                          |            | 1,209 47    |             |
| <hr/>   |            |             |             |
| Total .....   |            |             | 83,075 41   |
| <hr/>   |            |             |             |
| Surplus of appropriations transferred to Water Sinking Fund.. |            |             | \$698 56    |
| <hr/>   |            |             |             |

## WATER WORKS—MAINTENANCE, PUMPING AND LABOR

|   |            |             |  |
|---|------------|-------------|--|
| Appropriation .....   |            | \$10,744 00 |  |
| <hr/>   |            |             |  |
| EXPENDED  |            |             |  |
| For salary of engineer .....  | \$1,800 00 |             |  |
| Assistant engineer .....  | 1,200 00   |             |  |
| Labor, as per payroll .....   | 8,351 03   |             |  |
| <hr/>   |            |             |  |
| Total .....   |            | 11,351 03   |  |
| <hr/>   |            |             |  |
| Excess of expenditure over appropriation .....  |            | \$607 03    |  |
| Transfer from Water Department. Salaries, Superintendent,<br>Registrar, Inspectors and Clerks ..... |            | 607 03      |  |
| <hr/>   |            |             |  |
| General Expenses  |            |             |  |
| Appropriation .....   |            | \$13,098 00 |  |
| <hr/>   |            |             |  |
| EXPENDED  |            |             |  |
| For advertising .....   | \$43 36    |             |  |
| Analysis of coal .....  | 61 16      |             |  |
| Automobile hire .....   | 3 92       |             |  |
| Car tickets .....   | 10 00      |             |  |
| Cement .....  | 18 62      |             |  |
| Clock repairs .....   | 98         |             |  |
| <hr/>   |            |             |  |
| <i>Amounts carried forward</i> .....  | \$138 04   | \$13,098 00 |  |



## Public Service Enterprises—Continued

## WATER WORKS, MAINTENANCE, PUMPING AND LABOR—Concluded

|  |           |             |
|--|-----------|-------------|
| Amounts brought forward .....                                | \$138 04  | \$13,098 00 |
| Disinfectant .....   | 7 34      |             |
| Electric work and supplies .....                             | 49 46     |             |
| Engines, boilers, pumps, supplies and repairs ..             | 1,036 55  |             |
| Expressage and freight .....                                 | 97 07     |             |
| Fire alarm box .....   | 87 50     |             |
| Fuel .....   | 10,424 40 |             |
| Inspection of boilers .....                                  | 15 00     |             |
| Lumber .....   | 49 24     |             |
| Oil, waste, packing, etc. ....                               | 848 97    |             |
| Repairs to buildings .....                                   | 88 55     |             |
| Repairs to side tracks .....                                 | 3 48      |             |
| Rubber clothing .....  | 2 61      |             |
| Stationery and supplies .....                                | 10 40     |             |
| Soap .....   | 4 16      |             |
| Telephone service .....                                      | 71 08     |             |
| Tools and miscellaneous supplies .....                       | 140 37    |             |
| Tree poles .....   | 4 20      |             |
| Total .....  |           | 13,078 42   |
| Surplus of appropriation transferred to Water Sinking Fund.. |           | \$19 58     |

## ICE FOR FOUNTAINS

|  |          |            |
|--|----------|------------|
| Appropriation .....  |          | \$1,150 00 |
| EXPENDED   |          |            |
| For ice .....  | \$970 81 |            |
| Total .....  |          | 970 81     |
| Surplus of appropriation transferred to Reserve Fund ..... |          | \$179 19   |

## SERIAL LOANS

|                                     |             |             |
|-------------------------------------|-------------|-------------|
| Appropriation .....                 |             | \$16,500 00 |
| EXPENDED                            |             |             |
| To redeem matured Water Bonds ..... | \$16,500 00 |             |
| Total .....                         |             | 16 500 00   |

## SERVICES OF CITY TREASURER AND CITY SOLICITOR

|  |            |            |
|--|------------|------------|
| Appropriation .....  |            | \$2,500 00 |
| EXPENDED   |            |            |
| For services of City Treasurer in collection of water rates, etc. .... | \$1,500 00 |            |
| Services of City Solicitor .....                                       | 1,000 00   |            |
| Total .....  |            | 2,500 00   |

Public Service Enterprises—Concluded  
ABATEMENTS AND REFUNDS

|  |            |
|--|------------|
| Appropriation .....  | \$6,500 00 |
| EXPENDED   |            |
| For abatements, as per registrar's certificates ...        | \$2 507 36 |
| Refunds, as per registrar's certificates .....             | 1,866 30   |
| Total .....  | 4,373 66   |
| Surplus of appropriation transferred to Reserve Fund ..... | \$2,126 34 |

CEMETERIES  
CAMBRIDGE CEMETERY  
Salaries and Labor

|  |             |
|--|-------------|
| Appropriation .....  | \$17,345 00 |
| EXPENDED   |             |
| For salaries of:   |             |
| Superintendent .....                                       | \$2,000 00  |
| Clerk .....  | 1,100 00    |
| Clerk of board .....                                       | 150 00      |
| Foreman .....  | 1,200 00    |
| Labor, sundry persons, as per payroll .....                | 12,817 64   |
| Total .....  | 17,267 64   |
| Surplus of appropriation transferred to Reserve Fund ..... | \$77 36     |

|  |            |
|--|------------|
| General Expenses                               |            |
| Appropriation .....                            | \$2,399 00 |
| EXPENDED                                       |            |
| For commissioners' and office expenses:        |            |
| Auto hire .....                                | \$4 90     |
| Car tickets .....                              | 20 00      |
| Fuel .....                                     | 80 10      |
| Gas .....                                      | 13 04      |
| Stationery, printing and office supplies ..... | 181 75     |
| Subscriptions .....                            | 4 00       |
| Telephone service .....                        | 58 42      |
| Typewriter supplies .....                      | 4 16       |
|  | \$366 37   |
| Cement .....                                   | \$72 03    |
| Decorating monument .....                      | 19 60      |
| Disinfectant .....                             | 3 92       |
| Duck covers .....                              | 21 07      |
| Harness and repairs .....                      | 8 99       |
| Hay, grain and straw .....                     | 101 34     |
| Horseshoeing .....                             | 5 14       |
| Lumber, stakes, etc. ....                      | 62 46      |
| Amounts carried forward .....                  | \$294 55   |
|  | \$366 37   |
|  | \$2,399 00 |

## Cemeteries—Concluded

## CAMBRIDGE CEMETERY, GENERAL EXPENSES—Concluded

|  |          |          |            |
|--|----------|----------|------------|
| <i>Amounts brought forward</i> .....                       | \$294 55 | \$366 37 | \$2,399 00 |
| Moth extermination .....                                   | 58 00    |          |            |
| Repairing cart .....                                       | 10 04    |          |            |
| Seeds, plants, etc. ....                                   | 14 34    |          |            |
| Sign posts .....   | 21 27    |          |            |
| Tools and misc. supplies .....                             | 224 29   |          |            |
| Trees .....  | 91 53    |          |            |
| Vaults .....   | 145 50   |          |            |
| Wreaths .....  | 12 05    |          |            |
|  |          | 871 57   |            |
| Total .....  |          |          | 1,237 94   |
| Surplus of appropriation transferred to Reserve Fund ..... |          |          | \$1,161 06 |

## INTEREST

|                     |              |
|---------------------|--------------|
| Appropriation ..... | \$339,560 50 |
|---------------------|--------------|

## EXPENDED

|  |             |            |
|--|-------------|------------|
| For interest on loans in anticipation of taxes .....       | \$7,432 77  |            |
| Sanders Temperance Fund .....                              | \$600 00    |            |
| Daniel White Charity Fund.....                             | 300 00      |            |
| Dowse Fund .....   | 600 00      |            |
|  |             | 1,500 00   |
| Buildings loan .....                                       | \$15,282 50 |            |
| City loan, acts 1908 .....                                 | 17,860 00   |            |
| Clay land loan .....                                       | 770 00      |            |
| Cambridge Bridge loans .....                               | 60,075 00   |            |
| Cambridge Bridge special loan ...                          | 980 00      |            |
| Harvard Bridge loans .....                                 | 15,380 00   |            |
| Commercial Ave. Bridge loan .....                          | 2,000 00    |            |
| Hospital .....   | 4,825 00    |            |
| Metropolitan Park assessment ...                           | 1,610 00    |            |
| Public Library loan .....                                  | 945 00      |            |
| Schoolhouse loan .....                                     | 42,890 65   |            |
| Sewer loans .....  | 40,185 00   |            |
| Street loan .....  | 50,459 25   |            |
| Sewer, Separate System .....                               | 175 00      |            |
| Cemetery loan .....  | 2,860 00    |            |
| Park loans .....   | 58,075 00   |            |
| Playgrounds loan .....                                     | 4,450 00    |            |
| Charles River Basin assessment ...                         | 3,275 00    |            |
| Municipal loans .....                                      | 4,254 50    |            |
| Charles River improvement .....                            | 2 625 00    |            |
|  |             | 328,976 90 |
| Total .....  |             | 337,909 67 |
| Surplus of appropriation transferred to Reserve Fund ..... |             | \$1,650 83 |

## Interest—Concluded

## INTEREST ON WATER LOAN

|                     |              |
|---------------------|--------------|
| Appropriation ..... | \$114,056 50 |
|---------------------|--------------|

## EXPENDED

|                                  |              |
|----------------------------------|--------------|
| For interest on Water Loan ..... | \$110,965 25 |
|----------------------------------|--------------|

|             |            |
|-------------|------------|
| Total ..... | 110,965 25 |
|-------------|------------|

|   |            |
|---|------------|
| Surplus of appropriation transferred to Water Sinking Funds | \$3,091 25 |
|---|------------|

## SERIAL LOAN

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,000 00 |
|---------------------|------------|

## EXPENDED

|                                   |            |
|-----------------------------------|------------|
| To redeem matured Park Bond ..... | \$2,000 00 |
|-----------------------------------|------------|

|             |          |
|-------------|----------|
| Total ..... | 2,000 00 |
|-------------|----------|

## SINKING FUNDS

## BROOKLINE BRIDGE

|                                      |            |
|--------------------------------------|------------|
| Amount of Fund, March 31, 1913 ..... | \$2 185 64 |
|--------------------------------------|------------|

|                      |       |
|----------------------|-------|
| Interest, 1913 ..... | 82 18 |
|----------------------|-------|

|                              |        |
|------------------------------|--------|
| Appropriation for 1913 ..... | 333 33 |
|------------------------------|--------|

|                                      |            |
|--------------------------------------|------------|
| Amount of Fund, March 31, 1914 ..... | \$2,601 15 |
|--------------------------------------|------------|

## CAMBRIDGE BRIDGE

|                                      |              |
|--------------------------------------|--------------|
| Amount of Fund, March 31, 1913 ..... | \$186,030 80 |
|--------------------------------------|--------------|

|                      |          |
|----------------------|----------|
| Interest, 1913 ..... | 6,994 76 |
|----------------------|----------|

|                              |           |
|------------------------------|-----------|
| Appropriation for 1913 ..... | 12,456 53 |
|------------------------------|-----------|

|                                      |              |
|--------------------------------------|--------------|
| Amount of Fund, March 31, 1914 ..... | \$205,482 09 |
|--------------------------------------|--------------|

## CAMBRIDGE BRIDGE SPECIAL

|                                      |            |
|--------------------------------------|------------|
| Amount of Fund, March 31, 1913 ..... | \$5,568 35 |
|--------------------------------------|------------|

|                      |        |
|----------------------|--------|
| Interest, 1913 ..... | 209 37 |
|----------------------|--------|

|                              |        |
|------------------------------|--------|
| Appropriation for 1913 ..... | 616 00 |
|------------------------------|--------|

|                                      |            |
|--------------------------------------|------------|
| Amount of Fund, March 31, 1914 ..... | \$6,393 72 |
|--------------------------------------|------------|

## CHARLES RIVER BASIN

|                                      |            |
|--------------------------------------|------------|
| Amount of Fund, March 31, 1913 ..... | \$5,400 00 |
|--------------------------------------|------------|

|                      |        |
|----------------------|--------|
| Interest, 1913 ..... | 203 04 |
|----------------------|--------|

|                              |          |
|------------------------------|----------|
| Appropriation for 1913 ..... | 5,400 00 |
|------------------------------|----------|

|                                      |             |
|--------------------------------------|-------------|
| Amount of Fund, March 31, 1914 ..... | \$11,003 04 |
|--------------------------------------|-------------|



## Sinking Funds—Continued

## COMMERCIAL AVENUE BRIDGE

|                                      |            |            |
|--------------------------------------|------------|------------|
| Amount of Fund, March 31, 1913 ..... | \$4,371 31 |            |
| Interest, 1913 .....                 | 164 36     |            |
| Appropriation for 1913 .....         | 666 67     |            |
|                                      | <hr/>      |            |
| Amount of Fund, March 31, 1914 ..... |            | \$5,202 34 |
|                                      |            | <hr/>      |

## HARVARD BRIDGE

|                                      |              |              |
|--------------------------------------|--------------|--------------|
| Amount of Fund, March 31, 1913 ..... | \$293,788 56 |              |
| Interest .....                       | 11,046 45    |              |
| Appropriation for 1913 .....         | 8,800 00     |              |
|                                      | <hr/>        |              |
| Amount of Fund, March 31, 1914 ..... |              | \$313,635 01 |

## CITY OF CAMBRIDGE, ACTS OF 1908

|                                      |              |              |
|--------------------------------------|--------------|--------------|
| Amount of Fund, March 31, 1913 ..... | \$151,847 17 |              |
| Interest, 1913 .....                 | 5,709 45     |              |
| Appropriation for 1913 .....         | 36,000 00    |              |
|                                      | <hr/>        |              |
| Amount of Fund, March 31, 1914 ..... |              | \$193,556 62 |

## CLAY LANDS

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| Amount of Fund, March 31, 1913 ..... | \$22,680 34 |             |
| Bond maturing, 1913 .....            | 10,000 00   |             |
|                                      | <hr/>       |             |
|                                      | \$12,680 34 |             |
| Interest, 1913 .....                 | 476 78      |             |
| Appropriation for 1913 .....         | 1,485 00    |             |
|                                      | <hr/>       |             |
| Amount of Fund, March 31, 1914 ..... |             | \$14,642 12 |

## HOSPITAL

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| Amount of Fund, March 31, 1913 ..... | \$14,130 94 |             |
| Interest for 1913 .....              | 531 32      |             |
| Appropriation for 1913 .....         | 5,625 00    |             |
|                                      | <hr/>       |             |
| Amount of Fund, March 31, 1914 ..... |             | \$20,287 26 |
|                                      |             | <hr/>       |

## METROPOLITAN PARK ASSESSMENT

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| Amount of Fund, March 31, 1913 ..... | \$11,814 53 |             |
| Interest, 1913 .....                 | 444 23      |             |
| Appropriation for 1913 .....         | 1,012 00    |             |
|                                      | <hr/>       |             |
| Amount of Fund, March 31, 1914 ..... |             | \$13,270 76 |
|                                      |             | <hr/>       |

## PARK

|                                      |              |              |
|--------------------------------------|--------------|--------------|
| Amount of Fund, March 31, 1913 ..... | \$463,852 87 |              |
| Interest, 1913 .....                 | 17,430 87    |              |
| Appropriation for 1913 .....         | 25,666 66    |              |
|                                      | <hr/>        |              |
| Amount of Fund, March 31, 1914 ..... |              | \$506,950 40 |
|                                      |              | <hr/>        |

## Sinking Funds—Continued

## PLAYGROUNDS

|                                      |            |            |
|--------------------------------------|------------|------------|
| Amount of Fund, March 31, 1913 ..... | \$4,702 10 |            |
| Interest, 1913 .....                 | 176 80     |            |
| Appropriation for 1913 .....         | 2,090 00   |            |
|                                      | <hr/>      |            |
| Amount of Fund, March 31, 1914 ..... |            | \$6,968 90 |

## IMPROVED SEWERAGE

|                                      |              |              |
|--------------------------------------|--------------|--------------|
| Amount of Fund, March 31, 1913 ..... | \$109,529 92 |              |
| Interest, 1913 .....                 | 4,118 32     |              |
| Appropriation for 1913 .....         | 8,778 00     |              |
|                                      | <hr/>        |              |
| Amount of Fund, March 31, 1914 ..... |              | \$122,426 24 |

## SEPARATE SYSTEM OF DRAINAGE

|                                      |             |             |
|--------------------------------------|-------------|-------------|
| Amount of Fund, March 31, 1913 ..... | \$25,996 81 |             |
| Interest, 1913 .....                 | 977 48      |             |
| Appropriation for 1913 .....         | 5,874 00    |             |
|                                      | <hr/>       |             |
| Amount of Fund, March 31, 1914 ..... |             | \$32,848 29 |

## GENERAL

|                                      |                |                |
|--------------------------------------|----------------|----------------|
| Amount of Fund, March 31, 1913 ..... | \$1,039,010 75 |                |
| Interest, 1913 .....                 | 52,189 49      |                |
| Appropriation for 1913 .....         | 152 642 51     |                |
|                                      | <hr/>          |                |
| Amount of Fund, March 31, 1914 ..... |                | \$1,243,842 75 |

## COMMISSIONERS OF SINKING FUNDS

|                                   |              |              |
|-----------------------------------|--------------|--------------|
| Appropriation .....               | \$269,412 70 |              |
| Transferred to Reserve Fund ..... | 1,967 00     |              |
|                                   | <hr/>        |              |
|                                   |              | \$267,445 70 |

## RECEIVED

|  |             |  |
|--|-------------|--|
| From City Treasurer, appropriations from 1913: |             |  |
| Brookline Bridge .....                         | \$333 33    |  |
| Cambridge Bridge .....                         | 12,456 53   |  |
| Commercial Avenue Bridge .....                 | 666 67      |  |
| Cambridge Bridge "Special" .....               | 616 00      |  |
| Clay Lands .....                               | 1,485 00    |  |
| Harvard Bridge .....                           | 8,800 00    |  |
| Hospital .....                                 | 5,625 00    |  |
| Metropolitan Park .....                        | 1,012 00    |  |
| Parks .....                                    | 25,666 66   |  |
| Separate System of Drainage .....              | 5,874 00    |  |
| Improved Sewerage .....                        | 8,778 00    |  |
|  | <hr/>       |  |
| Amount carried forward .....                   | \$71,313 19 |  |

## Sinking Funds—Concluded

## COMMISSIONERS OF SINKING FUNDS—Concluded

|                                      |             |                |
|--------------------------------------|-------------|----------------|
| Amount brought forward .....         | \$71,313 19 |                |
| Charles River Basin .....            | 5,400 00    |                |
| General .....                        | 152,642 51  |                |
| Playgrounds .....                    | 2,090 00    |                |
| City of Cambridge .....              | 36,000 00   |                |
|                                      | <hr/>       | \$267,445 70   |
| Interest accumulations .....         |             | 100,754 90     |
|                                      |             | <hr/>          |
| Amount added to fund, 1913-14 .....  |             | \$368,200 60   |
| Amount of fund, March 31, 1913 ..... |             | 2,598,410 09   |
|                                      |             | <hr/>          |
|                                      |             | \$2,966,610 69 |
| For matured bonds:                   |             |                |
| Clay Land Loan .....                 | \$10,000 00 |                |
|                                      | <hr/>       |                |
| Amount of fund, March 31, 1914 ..... |             | \$2,956,610 69 |
|                                      |             | <hr/> <hr/>    |

## WATER LOAN SINKING FUND

|                                      |                |                |
|--------------------------------------|----------------|----------------|
| Amount of fund, March 31, 1913 ..... | \$1,563,278 56 |                |
| Interest accumulations, 1913 .....   | 59,169 43      |                |
| Surplus, 1913 .....                  | 53,721 82      |                |
| Appropriations for 1913 .....        | 92,880 00      |                |
|                                      | <hr/>          |                |
|                                      |                | \$1,769,049 81 |
| Bonds paid during 1913-1914 .....    |                | 50,000 00      |
|                                      |                | <hr/>          |
| Amount of fund, March 31, 1914 ..... |                | \$1,719,049 81 |
|                                      |                | <hr/> <hr/>    |

## ABATEMENTS—TAXES

## EXPENDED

For abatements, as per Assessors' certificates:

|                              |             |             |
|------------------------------|-------------|-------------|
| Taxes for 1913:              |             |             |
| Real estate .....            | \$20,673 24 |             |
| Personal .....               | 18,902 60   |             |
| Poll .....                   | 614 00      |             |
|                              | <hr/>       | \$40,189 84 |
| Taxes of 1912:               |             |             |
| Real estate .....            | \$3,086 52  |             |
| Personal .....               | 3,064 08    |             |
| Poll .....                   | 48 00       |             |
|                              | <hr/>       | 6,198 60    |
| Taxes of 1911:               |             |             |
| Real estate .....            | \$45 77     |             |
| Personal .....               | 521 38      |             |
|                              | <hr/>       | 567 15      |
| Taxes of 1910:               |             |             |
| Personal .....               | \$502 50    |             |
|                              | <hr/>       | 502 50      |
|                              |             | <hr/>       |
| Amount carried forward ..... |             | \$47,458 09 |

## ABATEMENTS, TAXES—Concluded

|                              |          |                    |
|------------------------------|----------|--------------------|
| Amount brought forward ..... |          | \$47,458 09        |
| Taxes of 1909:               |          |                    |
| Personal .....               | \$525 00 |                    |
|                              |          | 525 00             |
| Tax Collector's Rebates:     |          |                    |
| Year 1913 .....              | \$28 93  |                    |
| Year 1912 .....              | 2,421 26 |                    |
| Year 1911 .....              | 123 55   |                    |
| Year 1910 .....              | 235 65   |                    |
| Year 1909 .....              | 60 30    |                    |
|                              |          | 2,869 69           |
| Refund of taxes, 1913 .....  |          | 173 40             |
|                              |          | <u>\$51,026 18</u> |

## ABATEMENTS, STREET SPRINKLING ASSESSMENTS

## EXPENDED

|   |          |                 |
|---|----------|-----------------|
| For abatements, as per Assessors' certificates: |          |                 |
| Assessments of 1913 .....                       | \$109 90 |                 |
| Assessments of 1912 .....                       | 80       |                 |
| Assessments of 1911 .....                       | 3 92     |                 |
|   |          | <u>\$114 62</u> |

## ABATEMENTS, MOTH ASSESSMENTS

## EXPENDED

|   |         |              |
|---|---------|--------------|
| For abatements, as per Assessors' certificates: |         |              |
| Assessments of 1913 .....                       | \$11 33 |              |
| Assessments of 1911 .....                       | 75      |              |
|   |         | <u>12 08</u> |

## TAX LIEN ACCOUNT

## EXPENDED

|                                     |          |               |
|-------------------------------------|----------|---------------|
| For returns to sundry persons ..... | \$303 30 |               |
|                                     |          | <u>303 30</u> |

## REFUNDS

|  |         |               |
|--|---------|---------------|
| Refunds on minors' licenses, school department ... | \$54 00 |               |
| Refunds on minors' licenses, police department     | 32 85   |               |
| Refund license (second-hand store) .....           | 10 00   |               |
| Refund street sprinkling tax .....                 | 19 36   |               |
| Refund liquor license to State .....               | 16 75   |               |
|  |         | <u>132 96</u> |



## CITY OF CAMBRIDGE.

Office of the City Auditor.

To the Honorable City Council of the City of Cambridge:

In compliance with the provisions of Section 8, Chapter 4, of the "Revised Ordinances of 1892," the undersigned herewith presents a statement showing the estimated revenue, the appropriations, receipts and payments to March 31, 1914, and the balance unexpended, arranged by departments and divisions, which are grouped according to their functions.

Respectfully submitted,

March 31, 1914.

CHARLES H. THURSTON, *Auditor.*

| REVENUE ACCOUNTS  | Receipts for<br>March, 1914 | Total<br>Receipts | Estimated<br>Receipts |
|---|-----------------------------|-------------------|-----------------------|
| Taxes, Real, Personal and Poll, 1913 .....                                  | \$68,747 51                 | \$2,222,170 59    | \$2,527,692 72        |
| Taxes, previous years .....   | 10,778 42                   | 232,490 22        | 210,000 00            |
| Corporation Tax .....   | 5,086 46                    | 155,484 51        | 170,000 00            |
| National Bank Tax .....   | 157 56                      | 16,968 65         | 19,500 00             |
| Street Railway Tax .....  |                             | 57,260 12         | 83,000 00             |
| Licenses .....  | 725 40                      | 4,682 50          | 5,000 00              |
| Court Fines .....   | 731 40                      | 4,825 17          |                       |
| Dog Licenses from County .....  |                             | 3,961 52          | 5,000 00              |
| Street Sprinkling Assessments .....   | 1,419 68                    | 33,999 78         | 37,000 00             |
| Moth Extermination Assessments .....  | 76 47                       | 1,823 95          |                       |
| Public Service Privileges, Boston Elevated<br>City Clerk's Department ..... | 272 50                      | 13,689 33         | 1,600 00              |
| Election Expenses City Clerk's Department                                   | 10 01                       | 1,288 95          |                       |
| Law Department .....  | 5 25                        | 10 01             | 1,100 00              |
| Damage to Persons and Personal Property<br>Treasury Department .....        | 110 10                      | 1,017 66          |                       |
| Municipal Buildings .....   | 400 00                      | 5 00              | 5,000 00              |
| Postage and Stationery .....  | 351 48                      | 3,838 45          | 7,000 00              |
| Commissioner of Public Safety .....   | 2 45                        | 4,490 83          | 2,200 00              |
| Electrical Department .....   |                             | 1,794 28          | 6,250 00              |
| Sealer of Weights and Measures .....  | 230 87                      | 851 40            | 500 00                |
| Moth Extermination Bills .....  |                             | 1,000 00          | 990 00                |
| Health Department .....   | 898 84                      | 765 78            | 15,000 00             |
| Modified Milk .....   |                             | 130 35            | 650 00                |
| Sewers, Maintenance .....   | 1 00                        | 19,881 48         | 200 00                |
| House Offal .....   | 2,685 47                    | 610 79            | 18,000 00             |
| Incinerators .....  | 75 00                       | 124 78            |                       |
| Street Maintenance .....  | 126 45                      | 12,713 14         | 6,650 00              |
| Sidewalk Repairs .....  |                             | 900 00            |                       |
| B. and C. Bridges .....   |                             | 2,342 42          |                       |
| City Home .....   | 137 50                      | 1,407 02          | 1,050 00              |
| City Home Hospital .....  |                             | 5 86              |                       |
| City Farm .....   | 1,152 95                    | 524 47            | 5,000 00              |
| Outside Aid .....   | 73 43                       | 202 07            | 3,500 00              |
| Soldiers' Benefits .....  | 24 00                       | 4,382 80          | 14,000 00             |
| Schools; Tuition, Sales, etc. ....  | 1,679 45                    | 4,120 52          | 10,000 00             |
| Sale Lassell School and Fresh Air School..                                  | 50 00                       | 12,933 00         |                       |
| Library Fines, etc. ....  | 315 99                      | 2,968 00          |                       |
| Park Department, Rents, etc. ....   |                             | 1,011 38          | 1,500 00              |
| Park Department, Floating Bath .....  |                             | 892 07            |                       |
| Cambridge Field Shelter .....   | 17 96                       | 5 04              | 4,300 00              |
| Rindge Field Shelter .....  | 7 18                        | 312 12            |                       |
| Russell Field .....   |                             | 121 98            |                       |
| Bath House, Captain's Island .....  |                             | 1 70              |                       |
| Thorndike School Shower Baths .....   |                             | 729 65            |                       |
| Cemetery Department .....   | 5,304 39                    | 52 37             | 23,000 00             |
| Interest .....  | 4,304 48                    | 19,135 20         | 22,000 00             |
| Water Works, Rates, etc. ....   | 12,942 90                   | 25,025 25         | 400,000 00            |
| Water Works, Miscellaneous .....  | 562 50                      | 387,682 89        |                       |
| Water Department Accrued Interest .....                                     |                             | 15,771 03         |                       |
| Rent of Land, Harvard College .....   |                             | 154 29            |                       |
|   |                             | 2,400 00          |                       |
|   | \$119,455 04                | \$3,288,584 60    | \$3,606,592 72        |

SUMMARY OF EXPENDITURES TO APRIL 1, 1914

| TITLES OF ACCOUNTS          | Appropriations | Additional Appropriations and Transfers to | Transfers From | Total Amount Appropriated | Expended in March | Total Amount Expended | Balances Unexpended |
|-----------------------------|----------------|--|----------------|---------------------------|-------------------|-----------------------|---------------------|
| GENERAL GOVERNMENT          |                |  |                |                           |                   |                       |                     |
| City Council Expenses ..... | \$5,500 00     | \$1,892 61                                 | .....          | \$7,392 61                | \$1,020 62        | \$7,392 61            |                     |
| Clerk of Committees         |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 4,200 00       | .....                                      | \$121 67       | 4,078 33                  | 336 93            | 4,078 33              |                     |
| Expenses .....              | 300 00         | 22 73                                      | .....          | 332 73                    | 33 82             | 332 73                |                     |
| Executive Department        |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 5,884 00       | 76 49                                      | .....          | 5,960 49                  | 519 83            | 5,960 49              |                     |
| Expenses .....              | 900 00         | .....                                      | 17 29          | 882 71                    | 86 88             | 882 71                |                     |
| License Supervision .....   | .....          | 400 00                                     | 50 00          | 350 00                    | 75 00             | 350 00                |                     |
| Emergency .....             | .....          | 92 37                                      | .....          | 92 37                     | 92 37             | 92 37                 |                     |
| Auditing Department         |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 5,400 00       | 269 34                                     | .....          | 5,669 34                  | 477 72            | 5,669 34              |                     |
| Expenses .....              | 400 00         | 116 18                                     | .....          | 516 18                    | 123 45            | 516 18                |                     |
| Treasurer and Collector     |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 12,600 00      | 162 40                                     | .....          | 12,762 40                 | 924 80            | 12,762 40             |                     |
| Expenses .....              | 4,625 00       | .....                                      | 11 16          | 4,613 84                  | 61 85             | 4,613 84              |                     |
| Assessors' Department       |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 14,958 00      | 353 13                                     | .....          | 15,311 13                 | 753 25            | 15,311 13             |                     |
| Expenses .....              | 2,260 00       | 146 83                                     | .....          | 2,406 83                  | 133 11            | 2,406 83              |                     |
| Assessors' Plans .....      | 200 00         | .....                                      | .....          | 200 00                    | .....             | 200 00                |                     |
| City Clerk's Department     |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 8,054 00       | .....                                      | 529 50         | 7,524 50                  | 676 87            | 7,524 50              |                     |
| Expenses .....              | 2,000 00       | 195 19                                     | .....          | 2,195 19                  | 442 02            | 2,195 19              |                     |
| Classified General Index..  | 500 00         | .....                                      | 195 40         | 304 60                    | 19 60             | 304 60                |                     |
| Town Records .....          | 500 00         | .....                                      | 500 00         | .....                     | .....             | .....                 |                     |
| City Messenger's Department |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 1,880 00       | 2 00                                       | .....          | 1,882 00                  | 156 74            | 1,882 00              |                     |
| Expenses .....              | 300 00         | .....                                      | 44 88          | 255 12                    | 54 75             | 255 12                |                     |
| Postage and Stationery      | 2,000 00       | .....                                      | 74 49          | 1,925 51                  | 227 36            | 1,925 51              |                     |
| Law Department              |                |  |                |                           |                   |                       |                     |
| Salaries .....              | 4,126 00       | 78 00                                      | .....          | 4,204 00                  | 356 74            | 4,204 00              |                     |
| Expenses .....              | 800 00         | .....                                      | 48 35          | 751 65                    | 196 16            | 751 65                |                     |
| Elections and Registration  |                |  |                |                           |                   |                       |                     |
| City Clerk .....            | 11,400 00      | 854 74                                     | .....          | 12,254 74                 | 5,224 89          | 12,254 74             |                     |
| Registrars of Voters .....  | 4,978 00       | 131 50                                     | .....          | 5,109 50                  | 496 34            | 5,109 50              |                     |
| Polling Places .....        | 3,000 00       | .....                                      | 88 80          | 2,911 20                  | 1,036 27          | 2,911 20              |                     |
| Amounts carried forward..   | \$96,765 00    | \$4,803 51                                 | \$1,681 54     | \$99,886 97               | \$13,527 33       | \$99,886 97           |                     |



## SUMMARY OF EXPENDITURES TO APRIL 1, 1914—Continued

| TITLES OF ACCOUNTS                                | Appropriations | Additional Appropriations and Transfers to | Transfers From | Total Amount Appropriated | Expended in March | Total Amount Expended | Balances Unexpended |
|---|----------------|--|----------------|---------------------------|-------------------|-----------------------|---------------------|
| Amounts brought forward.                          | \$96,765 00    | 4,803 51                                   | \$1,681 54     | \$99,886 97               | \$13,527 33       | \$99,886 97           |                     |
| General Government—Continued                      |                |  |                |                           |                   |                       |                     |
| Engineering Department                            |                |  |                |                           |                   |                       |                     |
| Salaries .....                                    | 8,600 00       | 129 60                                     | .....          | 8,729 60                  | 709 20            | 8,729 60              |                     |
| Expenses .....                                    | 700 00         | .....                                      | 220 11         | 479 89                    | 43 17             | 479 89                |                     |
| Superintendent and Insp. of Buildings             |                |  |                |                           |                   |                       |                     |
| Salaries .....                                    | 8,200 00       | 1 19                                       | .....          | 8,201 19                  | 788 79            | 8,201 19              |                     |
| Expenses .....                                    | 1,025 00       | 2 94                                       | .....          | 1,027 94                  | 126 32            | 1,027 94              |                     |
| Board of Appeal .....                             | 25 00          | .....                                      | 19 00          | 6 00                      | .....             | 6 00                  |                     |
| Civil Service Labor Registration                  |                |  |                |                           |                   |                       |                     |
| .....   | 325 00         | 1 48                                       | .....          | 326 48                    | 25 00             | 326 48                |                     |
| Municipal Buildings .....                         | .....          | .....                                      | .....          | .....                     | .....             | .....                 |                     |
| Salaries .....                                    | 12,644 00      | .....                                      | 20 53          | 12,623 47                 | 1,032 44          | 12,623 47             |                     |
| Expenses and Repairs .....                        | 8,500 00       | 738 57                                     | .....          | 9,238 57                  | 1,289 64          | 9,238 57              |                     |
| Foundation at Brattle Sq. Bldg.                   | .....          | 1,000 00                                   | 529 93         | 470 07                    | .....             | 470 07                |                     |
| Administration of Sinking Funds .....             | 375 00         | 5 00                                       | .....          | 380 00                    | 25 00             | 380 00                |                     |
| PROTECTION OF LIFE AND PROPERTY                   |                |  |                |                           |                   |                       |                     |
| Commissioner of Public Safety .....               | 364,578 72     | .....                                      | 9 80           | 364,568 92                | 1,516 84          | 6,596 39              |                     |
| Police Department                                 |                |  |                |                           |                   |                       |                     |
| Salaries .....                                    | .....          | .....                                      | .....          | .....                     | 16,383 93         | 188,122 54            |                     |
| Expenses .....                                    | .....          | .....                                      | .....          | .....                     | 2,195 23          | 8,411 67              |                     |
| Fire Department                                   |                |  |                |                           |                   |                       |                     |
| Salaries .....                                    | .....          | .....                                      | .....          | .....                     | 12,041 46         | 137,414 44            |                     |
| Expenses .....                                    | .....          | .....                                      | .....          | .....                     | 5,954 78          | 24,023 88             |                     |
| Fire and Police Telegraph and Inspection of Wires |                |  |                |                           |                   |                       |                     |
| Salaries .....                                    | 12,316 00      | .....                                      | 65             | 12,315 35                 | 915 37            | \$12,315 35           |                     |
| Expenses .....                                    | 3,500 00       | 97 29                                      | .....          | 3,597 29                  | 129 24            | 3,597 29              |                     |
| Fire Alarm Signal Boxes..                         | 600 00         | .....                                      | 12 50          | 587 50                    | .....             | 587 50                |                     |
| Amounts carried forward..                         | \$518,153 72   | \$6,779 58                                 | \$2,456 42     | \$522,439 24              | \$56,703 74       | \$522,439 24          |                     |

SUMMARY OF EXPENDITURES TO APRIL 1, 1914—Continued.

| TITLES OF ACCOUNTS                                   | Appropriations | Additional Appropriations and Transfers to | Transfers From | Total Amount Appropriated | Expended in March | Total Amount Expended | Balances Unexpended |
|--|----------------|--|----------------|---------------------------|-------------------|-----------------------|---------------------|
| Amounts brought forward.                             | \$518,153 72   | \$6,779 58                                 | \$2,456 42     | \$522,439 24              | \$56,703 71       | \$522,439 24          |                     |
| Militia: Use of Rifle Range and Transportation ..... |                |  |                |                           |                   |                       |                     |
| Troop C, M. V. M. ....                               | 225 00         | 10 56                                      |                | 235 56                    |                   | 235 56                |                     |
| Headquarters, 8th Regt....                           | 50 00          | 217 31                                     |                | 267 31                    |                   | 267 31                |                     |
| Company A, 8th Regiment                              | 225 00         |  | 37             | 224 63                    |                   | 224 63                |                     |
| Company C, 8th Regiment                              | 225 00         |  |                | 292 53                    |                   | 292 53                |                     |
| Company E, 8th Regiment                              | 225 00         |  |                | 222 25                    |                   | 222 25                |                     |
| Company G, C. A. C. ....                             | 225 00         |  | 2 75           | 272 01                    |                   | 272 01                |                     |
| Scaler of Weights and Measures .....                 |                | 47 01                                      |                |                           |                   |                       |                     |
| Salaries .....                                       | 4,500 00       |  | 185 60         | 4,314 40                  | 430 85            | 4,314 40              |                     |
| Expenses .....                                       | 676 00         |  | 294 54         | 381 46                    | 23 74             | 381 46                |                     |
| FORESTRY   |                |  |                |                           |                   |                       |                     |
| Forestry .....                                       | 15,500 00      |  | 30 98          | 15,469 02                 | 1,784 99          | 15,469 02             |                     |
| HEALTH AND SANITATION                                |                |  |                |                           |                   |                       |                     |
| Health Department .....                              |                |  |                |                           |                   |                       |                     |
| Salaries .....                                       | 16,150 00      |  | 10 39          | 16,139 61                 | 1,395 27          | 16,139 61             |                     |
| Gen'l Expenses & Hospitals                           | 36,174 00      | 386 10                                     |                | 39,060 10                 | 993 00            | 39,060 10             |                     |
| Gen'l Expenses, Emergency                            | 2,500 00       |  |                |                           |                   |                       |                     |
| Inspection Milk and Vinegar                          | 2,355 00       |  | 121 66         | 2,233 34                  | 218 10            | 2,233 34              |                     |
| Modified Milk .....                                  | 1,400 00       | 10 65                                      |                | 1,410 65                  |                   | 1,410 65              |                     |
| Inspection of Animals .....                          | 850 00         |  | 60 36          | 789 64                    | 82 33             | 789 64                |                     |
| Sanitation   |                |  |                |                           |                   |                       |                     |
| Sewers, Maintenance .....                            | 20,000 00      |  | 213 44         | 19,786 56                 | 1,185 36          | 19,786 56             |                     |
| Refuse Collection and Disposal                       |                |  |                |                           |                   |                       |                     |
| House Offal .....                                    |                |  |                |                           |                   |                       |                     |
| Labor .....  | 35,692 14      | 463 11                                     |                | 36,155 25                 | 2,114 59          | 36,155 25             |                     |
| Expenses .....                                       | 9,335 00       |  | 113 34         | 9,221 66                  |                   | 9,221 66              |                     |
| Collection of Ashes .....                            | 60,000 00      |  | 20             | 59,999 80                 | 4,917 44          | 59,999 80             |                     |
| Street Cleaning .....                                | 50,000 00      |  |                | 61,732 85                 | 312 71            | 49,968 17             |                     |
| Snow Removal .....                                   | 5,000 00       | 3,732 85                                   |                |                           | 1,921 53          | 11,764 68             |                     |
| *Snow Removal Additional                             |                |  |                |                           |                   |                       |                     |
| Emergency .....                                      | 3,000 00       |  |                |                           |                   |                       |                     |
| Amounts carried forward..                            | \$782,460 86   | \$11,714 70                                | \$3,527 69     | \$790,647 87              | \$72,083 65       | \$790,647 87          |                     |

\*Not included in the original appropriation.



## SUMMARY OF EXPENDITURES TO APRIL 1, 1914—Continued.

| TITLES OF ACCOUNTS                              | Appropriations | Additional Appropriations and Transfers to | Transfers From | Total Amount Appropriated | Expended in March | Total Amount Expended | Balances Unexpended |
|---|----------------|--|----------------|---------------------------|-------------------|-----------------------|---------------------|
| Amounts brought forward.                        | \$782,460 86   | \$11,714 70                                | \$3,527 69     | \$790,647 87              | \$72,083 65       | \$790,647 87          |                     |
| <b>HIGHWAYS AND BRIDGES</b>                     |                |  |                |                           |                   |                       |                     |
| Salaries — Superintendent of Streets and Clerks | 6,498 00       |  | 54 00          | 6,444 00                  | 503 42            | 6,444 00              |                     |
| Maintenance and Repairs..                       | 86,750 00      |  | 159 65         | 86,590 35                 | 4,133 16          | 86,590 35             |                     |
| Horses .....                                    | 5,000 00       |  | 30             | 4,999 70                  | 285 00            | 4,999 70              |                     |
| Crossings .....                                 | 1,000 00       | 2 68                                       |                | 1,002 68                  | 10 50             | 1,002 68              |                     |
| Sidewalk Repairs .....                          | 8,300 00       |  | 5 16           | 8,294 84                  |                   | 8,294 84              |                     |
| Street Sprinkling .....                         | 34,475 00      | 198 53                                     |                | 34,673 53                 | 100 55            | 34,673 53             |                     |
| Street Lighting .....                           |                |  |                |                           |                   |                       |                     |
| Salaries .....                                  | 1,000 00       |  |                | 1,000 00                  | 83 37             | 1,000 00              |                     |
| Expenses .....                                  | 70,607 71      | 566 79                                     |                | 71,174 50                 | 6,720 08          | 71,174 50             |                     |
| Street Department: Bridges.                     | 11,800 00      | 507 19                                     |                | 12,307 19                 | 686 07            | 12,307 19             |                     |
| Pensions .....                                  | 2,793 00       |  | 245 66         | 2,547 34                  | 190 76            | 2,547 34              |                     |
| Brick and Bithulithic Pavement .....            | 1,000 00       |  |                | 1,000 00                  |                   | 1,000 00              |                     |
| Stiles Street .....                             |                | 150 00                                     |                | 149 45                    |                   | 149 45                |                     |
| <b>Boston and Cambridge Bridges</b>             |                |  |                |                           |                   |                       |                     |
| Salaries and Labor .....                        | 11,275 00      |  | 216 69         | 11,058 31                 | 845 90            | 11,058 31             |                     |
| Expenses .....                                  | 7,015 00       |  | 237 03         | 6,777 97                  | 448 25            | 6,777 97              |                     |
| <b>CHARITIES</b>                                |                |  |                |                           |                   |                       |                     |
| City Farm                                       |                |  |                |                           |                   |                       |                     |
| Labor .....                                     | 4,598 00       |  | 666 80         | 3,931 20                  | 155 25            | 3,931 20              |                     |
| Expenses .....                                  | 1,236 00       |  | 21 75          | 1,214 25                  |                   | 1,214 25              |                     |
| City Home                                       |                |  |                |                           |                   |                       |                     |
| Salaries .....                                  | 7,340 00       | 185 93                                     |                | 7,525 93                  | 442 80            | 7,525 93              |                     |
| Expenses .....                                  | 18,700 00      |  | 10 44          | 18,689 56                 | 292 24            | 18,689 56             |                     |
| City Home Hospital                              |                |  |                |                           |                   |                       |                     |
| Salaries .....                                  | 1,029 00       | 9 80                                       |                | 1,038 80                  | 62 40             | 1,038 80              |                     |
| Expenses .....                                  | 660 00         |  | 62 57          | 597 43                    | 16 14             | 597 43                |                     |
| Out-door Relief                                 |                |  |                |                           |                   |                       |                     |
| Salaries .....                                  | 6,190 00       | 441 86                                     |                | 6,631 86                  | 593 83            | 6,631 86              |                     |
| Expenses .....                                  | 33,021 00      | 2,283 22                                   |                | 37,804 22                 | 1,615 14          | 37,804 22             |                     |
| Expenses, emergency .....                       | 2,500 00       |  |                |                           |                   |                       |                     |
| Amounts carried forward..                       | \$1,105,249 57 | \$16,060 70                                | \$5,208 29     | \$1,116,100 98            | \$89,268 51       | \$1,116,100 98        |                     |

SUMMARY OF EXPENDITURES TO APRIL 1, 1914—Continued

| TITLES OF ACCOUNTS            | Appropriations | Additional Appropriations and Transfers to | Transfers From | Total Amount Appropriated | Expended in March | Total Amount Expended | Balances Unexpended |
|-------------------------------|----------------|--|----------------|---------------------------|-------------------|-----------------------|---------------------|
| Amounts brought forward.      | \$1,105,248 57 | \$16,060 70                                | \$5,208 29     | \$1,116,100 98            | \$89,268 51       | \$1,116,100 98        |                     |
| SOLDIERS' BENEFITS            | 27,350 00      | 728 19                                     |                | 28,078 19                 | 2,422 03          | 28,078 19             |                     |
| EDUCATION                     |                |  |                |                           |                   |                       |                     |
| School Committee Expenditures |                |  |                |                           |                   |                       |                     |
| Salaries                      | \$560,890 35   | **493 93                                   |                | 561,384 28                | 45,275 31         | 503,696 85            |                     |
| Other Expenses                |                |  |                |                           | 12,874 52         | 57,687 43             |                     |
| LIBRARIES AND READING ROOMS   |                |  |                |                           |                   |                       |                     |
| Central Library               |                |  |                |                           |                   |                       |                     |
| Salaries                      | *13,804 00     | 75 87                                      |                | 13,879 87                 | 1,333 47          | 13,879 87             |                     |
| General Expenses              | 9,780 00       |  | 76 85          | 9,703 15                  | 695 61            | 9,703 15              |                     |
| East Cambridge Branch         |                |  |                |                           |                   |                       |                     |
| Salaries                      | 1,654 00       |  | 436 12         | 1,217 83                  | 106 34            | 1,217 88              |                     |
| Expenses                      | 1,800 00       |  | 25             | 1,799 75                  | 72 03             | 1,799 75              |                     |
| North Cambridge Branch        |                |  |                |                           |                   |                       |                     |
| Salaries                      | 2,211 50       |  | 10 50          | 2,201 00                  | 185 35            | 2,201 00              |                     |
| Expenses                      | 2,100 00       |  | 11             | 2,099 89                  | 327 58            | 2,099 89              |                     |
| RECREATION                    |                |  |                |                           |                   |                       |                     |
| Park Maintenance              |                |  |                |                           |                   |                       |                     |
| Salaries                      | 2,800 00       | 49 83                                      |                | 2,849 83                  | 170 63            | 2,849 83              |                     |
| General Account               | 23,110 00      | 2,786 74                                   |                | 25,896 74                 | 2,240 42          | 25,896 74             |                     |
| Shower Bath, Thorndike School |                | 1,018 02                                   |                | 1,018 02                  | 60 00             | 1,018 02              |                     |
| Playgrounds Commission        |                |  |                |                           |                   |                       |                     |
| Salaries                      | 3,000 00       |  | 50 25          | 2,949 75                  |                   | 2,949 75              |                     |
| Expenses                      | 700 00         |  | 1 74           | 698 26                    |                   | 698 26                |                     |
| Celebrations                  |                |  |                |                           |                   |                       |                     |
| Independence Day              | 1,200 00       | 298 98                                     |                | 1,498 98                  |                   | 1,498 98              |                     |
| Labor Day                     | 400 00         |  | 75             | 399 25                    |                   | 399 25                |                     |
| Memorial Day                  | 1,200 00       |  |                | 1,200 00                  |                   | 1,200 00              |                     |
| CEMETERIES                    |                |  |                |                           |                   |                       |                     |
| Salaries and Labor            | 17,345 00      |  | 77 36          | 17,267 64                 | 1,032 80          | 17,267 64             |                     |
| General Expenses              | 2,399 00       |  | 1,161 06       | 1,237 94                  | 136 77            | 1,237 94              |                     |
| Amounts carried forward..     | \$1,776,992 42 | \$21,512 26                                | \$7,023 28     | \$1,791,481 40            | \$156,201 37      | \$1,791,481 40        |                     |

‡Allowance for schools under Chapter 566, Acts of 1907.

\*Including amount received from County of Middlesex on account of dog licenses.

\*\*From School Reserve.

SUMMARY OF EXPENDITURES TO APRIL 1, 1914—Continued.

| TITLES OF ACCOUNTS  | Appropriations | Additional Appropriations and Transfers to | Transfers From | Total Amount Appropriated | Expended in March | Total Amount Expended | Balances Unexpended |
|---|----------------|--|----------------|---------------------------|-------------------|-----------------------|---------------------|
| Amounts brought forward.  | \$1,776 992 42 | \$21,512 26                                | \$7,023 28     | \$1,791,481 40            | \$156,201 37      | \$1,791,481 40        |                     |
| INTEREST .....  | 339,560 50     | .....                                      | 1,650 83       | 337,909 67                | 7,520 00          | 337,909 67            |                     |
| SINKING FUNDS .....   | 269,412 70     | .....                                      | 1,967 00       | 267,445 70                | .....             | 267,445 70            |                     |
| SERIAL LOANS .....  | 2,000 00       | .....                                      | .....          | 2,000 00                  | .....             | 2,000 00              |                     |
| UNCLASSIFIED  |                |  |                |                           |                   |                       | \$4,122 76          |
| Reserve Fund .....  | 25,000 00      | 16,597 36                                  | 37,474 60      | *4,122 76                 | .....             | .....                 |                     |
| Damages to Persons and Personal Property .....                      | 4,500 00       | 1,138 75                                   | .....          | 5,638 75                  | 251 96            | 5,638 75              |                     |
| Special Appropriation, Teachers' Pensions .....                     | .....          | 6,800 00                                   | 112 50         | 6,687 50                  | 916 75            | 6,687 50              |                     |
| New System of Accounting .....                                      | .....          | 2,256 94                                   | .....          | 2,256 94                  | 120 32            | 2,256 94              |                     |
| **Total for Revenue Accounts.                                       | \$2,417,465 62 | \$48,305 31                                | \$48,228 21    | \$2,417,542 72            | \$165,010 40      | \$2,413,419 96        | \$4,122 76          |
| MUNICIPAL INDUSTRIES  |                |  |                |                           |                   |                       |                     |
| Water Works   |                |  |                |                           |                   |                       |                     |
| Salaries of Superintendents, Registrar, Inspectors and Clerks ..... | \$15,794 50    | .....                                      | \$1,602 66     | \$14,191 84               | \$1,462 15        | \$14,191 84           |                     |
| General Expenses and Reservoirs .....                               | 83,773 97      | .....                                      | 698 56         | 83,075 41                 | 6,154 23          | 83,075 41             |                     |
| Pumping .....   | .....          | .....                                      | .....          | .....                     | .....             | .....                 |                     |
| Salaries and Labor .....  | 10,744 00      | .....                                      | .....          | 11,351 03                 | 869 96            | 11,351 03             |                     |
| Expenses .....  | 13,098 00      | .....                                      | 19 58          | 13,078 42                 | 608 42            | 13,078 42             |                     |
| Services of City Treasurer and City Solicitor .....                 | 2,500 00       | .....                                      | .....          | 2,500 00                  | .....             | 2,500 00              |                     |
| Ice for Fountains .....   | 1,150 00       | .....                                      | 179 19         | 970 81                    | .....             | 970 81                |                     |
| Interest .....  | 114,056 50     | .....                                      | 3,091 25       | 110,965 25                | 812 50            | 110,965 25            |                     |
| Sinking Fund .....  | 92,880 00      | .....                                      | .....          | 92 880 00                 | .....             | 92,880 00             |                     |
| Serial Loans .....  | 16,500 00      | .....                                      | .....          | 16,500 00                 | 500 00            | 16,500 00             |                     |
| Abatements and Refunds ...  | 6,500 00       | .....                                      | 2,126 34       | 4,373 66                  | 663 65            | 4,373 66              |                     |
| Total for Municipal Industries                                      | \$356,996 97   | \$607 03                                   | \$7,717 58     | \$349,886 42              | \$11,070 93       | \$349,886 42          |                     |

\*Balance.  
\*\*Total Revenue Accounts originally \$2,409,465.62 = \$8,000.00 new appropriations for Emergencies; \$2,500 Health, \$2,500 Over-seer of Poor, \$3,000 Snow Removal.



SUMMARY OF EXPENDITURES TO APRIL 1, 1914—Continued.

| TITLES OF ACCOUNTS                                  | Estimated Receipts | Receipts from Loans | Other Special Receipts | Amounts Reappropriated | New Appropriations | Total Appropriations | Expended in March | Expended to Date | Balances Unexpended |
|---|--------------------|---------------------|------------------------|------------------------|--------------------|----------------------|-------------------|------------------|---------------------|
| SPECIAL FUNDS AND LOAN ACCOUNTS                     |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| GENERAL GOVERNMENT                                  |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| New Engine House .....                              | \$10,000 00        | \$55,000 00         | .....                  | \$45,000 00            | \$10,000 00        | \$55,000 00          | \$13,834 62       | \$53,748 83      | \$1,251 17          |
| PROTECTION OF LIFE AND PROPERTY                     |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| New Apparatus                                       |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Commissioner of Public Safety Dept. ....            | 11,000 00          | 11,000 00           | .....                  | .....                  | 11,000 00          | 11,000 00            | 4,600 00          | 4,600 00         | 6,400 00            |
| New Fire Escape, Merrill School                     | .....              | .....               | .....                  | 2,000 00               | .....              | 2,000 00             | 11 76             | 11 76            | 1,988 24            |
| HEALTH AND SANITATION                               |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Addition to Hospital .....                          | .....              | .....               | .....                  | 91,655 21              | .....              | 91,655 21            | .....             | 2,004 70         | 89,650 51           |
| Sewers  |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Construction General .....                          | 31,000 00          | 31,000 00           | \$8,154 28             | 4,336 97               | 31,000 00          | 35,336 97            | .....             | 35,066 40        | 270 57              |
| Separate System of Drainage .....                   | 10,000 00          | .....               | .....                  | 4,043 85               | 15,000 00          | 19,043 85            | 450 58            | 14,089 74        | 4,954 11            |
| HIGHWAYS AND BRIDGES                                |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Rebuilding and Construction Streets .....           | .....              | .....               | 1,734 25               | *11,731 65             | .....              | 9,098 31             | .....             | 9,098 31         | .....               |
| Account of Subway .....                             | .....              | .....               | .....                  | 588 48                 | .....              | 588 48               | .....             | .....            | 588 48              |
| Ames Street Extension .....                         | 15,000 00          | 15,000 00           | .....                  | 265 13                 | 15,000 00          | 15,265 13            | .....             | 14,478 23        | 786 90              |
| Land Damages .....                                  | 14,300 00          | 14,300 00           | .....                  | .....                  | 14,750 00          | 14,750 00            | .....             | 14,749 90        | 10                  |
| Broadway, Sixth to Main St.                         | 4,000 00           | 4,000 00            | .....                  | .....                  | 4,000 00           | 4,000 00             | 80 65             | 3,797 33         | 202 67              |
| Fifth St., Charles to Bent ..                       | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| Broadway, Windsor to Columbia St. ....              | 7,500 00           | 7,500 00            | .....                  | .....                  | 7,500 00           | 7,500 00             | 139 15            | 7,452 20         | 47 80               |
| Binney Street .....                                 | 24,000 00          | 24,000 00           | .....                  | .....                  | 24,000 00          | 24,000 00            | .....             | 24,000 00        | .....               |
| Bridge Street .....                                 | 7,500 00           | 7,500 00            | .....                  | .....                  | 7,500 00           | 7,500 00             | .....             | 7,499 97         | 03                  |
| Central Square .....                                | 7,600 00           | 7,600 00            | .....                  | 4,702 43               | 8,165 85           | 12,868 28            | .....             | 12,868 28        | .....               |
| Garden Street .....                                 | 11,000 00          | 11,000 00           | .....                  | .....                  | 11,000 00          | 11,000 00            | .....             | 9,735 05         | 1,264 95            |
| Mt. Auburn St., Coolidge Avenue, to B. M. R. R. ... | 37,800 00          | 37,800 00           | .....                  | .....                  | 36,300 00          | 36,300 00            | .....             | 36,294 88        | 5 12                |
| Erie Street .....                                   | .....              | 3,700 00            | .....                  | 2,825 24               | .....              | 2,825 24             | .....             | 2,452 83         | 372 41              |
| Mass. Ave. Lafayette Sq. }                          | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| to Inman .....                                      | .....              | .....               | .....                  | 15 87                  | .....              | 15 87                | .....             | 15 87            | .....               |
| Mass. Av. Quincy Sq. to Dunster .....               | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| Amounts carried forward..                           | \$190,700 00       | \$229,400 00        | \$9,888 63             | \$167,164 83           | \$195,215 85       | \$359,747 34         | \$19,125 70       | \$251,964 28     | \$107,783 06        |

\*Transferred to Snow Removal \$2,183.34  
Transferred to Street Bridges, 450.00



| TITLES OF ACCOUNTS   | Estimated Receipts | Receipts from Loans | Other Special Receipts | Amounts Reappropriated | New Appropriations | Total Appropriations | Expended in March | Expended to Date | Balances Unexpended |
|--|--------------------|---------------------|------------------------|------------------------|--------------------|----------------------|-------------------|------------------|---------------------|
| Amounts brought forward.                                       | \$190,700 00       | \$220,400 00        | \$9,888 63             | \$167,164 83           | \$195,215 85       | \$359 747 34         | \$19,125 70       | \$251,964 28     | \$107,783 06        |
| <b>Highways &amp; Bridges—Continued.</b>                       |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Edgestones and Sidewalks . . . . .                             | 20,000 00          | 20,000 00           | 12,376 87              | 2,741 49               | 20,000 00          | 22,741 49            | 70 50             | 22,741 49        | .....               |
| Prospect Street . . . . .                                      | 9,000 00           | 9,000 00            | .....                  | .....                  | 10,500 00          | 10,500 00            | .....             | 10,498 70        | 1 30                |
| Sixth Street . . . . .   | 10,000 00          | 10,000 00           | .....                  | .....                  | 10,000 00          | 10,000 00            | 45 85             | 9,570 90         | 429 10              |
| Western Avenue . . . . .                                       | 10,000 00          | 10,000 00           | .....                  | .....                  | 10,000 00          | 10,000 00            | 138 45            | 7,644 74         | 2,235 26            |
| <b>Bridges</b>   |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Cambridge Bridge . . . . .                                     | .....              | .....               | .....                  | 477 17                 | .....              | 477 17               | .....             | .....            | 477 17              |
| Harvard Bridge . . . . .                                       | .....              | .....               | .....                  | 7,406 88               | .....              | 7,406 88             | .....             | 5,209 50         | 2,197 38            |
| First, Third and Sixth Sts. Repairing Brookline Bridge         | 3,600 00           | 3,600 00            | .....                  | .....                  | 4,100 00           | 4,100 00             | .....             | 4,099 90         | 10                  |
| <b>EDUCATION</b>   | 8,000 00           | 8,000 00            | .....                  | .....                  | 8,000 00           | 8,000 00             | .....             | 6,452 25         | 1,547 75            |
| Thorndike Schoolhouse . . . . .                                | .....              | .....               | .....                  | 1,018 52               | .....              | 1,018 52             | 15 30             | 871 79           | 146 73              |
| New Schoolhouse, Mt. Auburn Dist. . . . .                      | 65,000 00          | 65,000 00           | .....                  | .....                  | 65,000 00          | 65,000 00            | .....             | .....            | 65,000 00           |
| <b>RECREATION</b>  |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Park Department  | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| Construction and Lands . . . . .                               | .....              | .....               | .....                  | 25,627 51              | .....              | 25,627 51            | 333 17            | 11,907 38        | 13,720 13           |
| Land for Playgrounds . . . . .                                 | .....              | .....               | .....                  | 3,765 00               | .....              | 3,765 00             | .....             | 750 60           | 3,015 00            |
| Construction and Equipment of Playgrounds . . . . .            | \$25,000 00        | 25,000 00           | .....                  | 6,065 65               | 25,000 00          | 31,065 65            | 1,636 17          | 29,272 20        | 1,793 45            |
| <b>CEMETERY</b>  |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Office Building and Grading . . . . .                          | .....              | .....               | .....                  | 3,973 22               | .....              | 3,973 22             | .....             | .....            | 3,973 22            |
| <b>MUNICIPAL INDUSTRIES</b>                                    |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Water Department   | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| Construction General . . . . .                                 | 40,000 00          | 40,000 00           | 2,935 34               | 44 85                  | 40,000 00          | 40,044 85            | 1,267 98          | 36,729 94        | 3,314 91            |
| Subway Construction . . . . .                                  | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| Hobbs' Brook Conduit . . . . .                                 | 10,000 00          | 10,000 00           | 2,266 84               | 6,065 39               | 10,000 00          | 16,065 39            | .....             | 6,486 00         | 9,579 39            |
| Detector Meter . . . . .                                       | .....              | .....               | 5,000 00               | 7,470 12               | .....              | 7,470 12             | 157 65            | 4,185 74         | 3,284 38            |
| <b>UNCLASSIFIED</b>  |                    |                     |                        |                        |                    |                      |                   |                  |                     |
| Premium Account . . . . .                                      | .....              | .....               | 202 30                 | .....                  | .....              | .....                | .....             | .....            | .....               |
| Sale Public Lands . . . . .                                    | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| Memorial Flag Staff . . . . .                                  | 1,255 00           | .....               | 1,505 00               | 6,305 00               | .....              | 6,305 00             | .....             | 6,030 60         | 275 00              |
| Special Appropriation for Unpaid Bills . . . . .               | .....              | .....               | .....                  | .....                  | .....              | .....                | .....             | .....            | .....               |
| School Board, 1912-1913 . . . . .                              | .....              | .....               | 11,068 98              | .....                  | 11,068 98          | 11,068 98            | 5,006 36          | 11,068 98        | .....               |
| Special Appropriation for Raising Teachers' Salaries . . . . . | 28,000 00          | 28,000 00           | .....                  | .....                  | 28,000 00          | 28,000 00            | 27,617 28         | 27,617 28        | 382 72              |
| Totals for Special Fund Accounts . . . . .                     | \$420,555 00       | \$458,000 00        | \$45,243 96            | \$237,875 63           | \$436,884 83       | \$672,377 12         | \$55,414 47       | \$453,101 07     | \$219,276 05        |

CITY TREASURY

Dr.

|   |           |                |
|---|-----------|----------------|
| To cash in Treasury, April 1, 1913 .....    | \$90,334  | 27             |
| Receipts from Revenue Fund Accounts .....   | 2,884,975 | 76             |
| Receipts from Water Rates, etc. ....        | 403,608   | 24             |
| Receipts from Special Fund Accounts .....   | 40,452    | 98             |
| Receipts from Loans:                        |           |                |
| Building Loans .....                        | 55,000    | 00             |
| Municipal Loans .....                       | 36,000    | 00             |
| Sewer Loans .....                           | 31,000    | 00             |
| School House Loan .....                     | 65,000    | 00             |
| School Teachers' Salary Loan, Acts 1914 ... | 28,000    | 00             |
| Street Loans .....                          | 193,000   | 00             |
| Water Loans .....                           | 50,000    | 00             |
| Commissioners of Sinking Funds .....        | 60,000    | 00             |
| Cemetery Fund .....                         | 3,957     | 25             |
| Temporary Loans .....                       | 400,000   | 00             |
| Tax Lien Account .....                      | 685       | 84             |
|   |           | <hr/>          |
|   |           | \$4,342,014 34 |

Cr.

|   |             |              |
|---|-------------|--------------|
| By amount expended, Revenue Fund Accounts ...                 | \$2,413,419 | 96           |
| Amount expended, Water Revenue Accounts                       | 349,886     | 42           |
| Amount expended, Special Fund Accounts ...                    | 453,101     | 07           |
| Abatements, Street Sprinkling Assessment ..                   | 114         | 62           |
| Abatement, Moth Assessments .....                             | 12          | 08           |
| Abatements, Taxes .....                                       | 51,026      | 18           |
| Refunds on Minors' Licenses, School Dept.                     | 54          | 00           |
| Refunds on Minors' Licenses, Police Dept. ..                  | 32          | 85           |
| Refund License .....  | 10          | 00           |
| Liquor Licenses to State .....                                | 16          | 75           |
| Refunds on Street Sprinkling Tax .....                        | 19          | 36           |
| Trustees of the Cemetery Fund .....                           | 3,957       | 25           |
| Tax Lien Account .....  | 303         | 30           |
| Water Loan .....  | 50,000      | 00           |
| Clay Land Loan .....  | 10,000      | 00           |
| Temporary Loans .....   | 400,000     | 00           |
| Water Surplus surrendered to Commissioners                    |             |              |
| Sinking Fund .....  | 53,721      | 82           |
| State, County and Metropolitan Taxes .....                    | 545,271     | 94           |
|   |             | <hr/>        |
|   |             | 4,330,947 60 |
| Balance in Treasury, as per Treasurer's Acct., March 31, 1914 |             | <hr/> <hr/>  |
|   |             | \$11,066 74  |

The borrowing capacity within the debt limit,  
 March 31, 1914 ..... \$413,962 48

The following loans, authorized since March 1,  
 1913, are within the Debt Limit:

|  |             |                   |
|--|-------------|-------------------|
| Street Loan .....  | \$48,700 00 |                   |
| “ “ .....  | 41,500 00   |                   |
| “ “ .....  | 8,000 00    |                   |
| “ “ .....  | 4,000 00    |                   |
| “ “ .....  | 14,300 00   |                   |
| “ “ .....  | 3,700 00    |                   |
| “ “ .....  | 37,800 00   |                   |
| “ “ .....  | 20,000 00   |                   |
| “ “ .....  | 15,000 00   |                   |
| Sewer Loan .....   | 31,000 00   |                   |
| School Loan .....  | 65,000 00   |                   |
| Municipal Loan .....   | 36,000 00   |                   |
| Building Loan .....  | 55,000 00   |                   |
| School Teachers' Salary Loan, Acts 1914 .....                          | 28,000 00   |                   |
|  |             | <u>408,000 00</u> |
| Available within debt limit, March 31, 1914 .....                      |             | <u>\$5,962 48</u> |
| Water Loans authorized since April 1, 1913—Outside Debt<br>Limit ..... |             | \$50,000 00       |
| Sewer Loan authorized since April 1, 1913—Outside Debt Limit           |             | 5,000 00          |





## SCHEDULE B

Nos. I to VII

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## ASSETS AND LIABILITIES

## SCHEDULE B-I

March 31, 1914

| ASSETS                                       |                 | LIABILITIES                                  |                 |
|--|-----------------|--|-----------------|
| Current Assets (B-II) .....                  | \$498,059 80    | Current Liabilities (B-II) .....             | \$20,195 00     |
| Contingent Assets (B-III) .....              | 467,193 79      | Contingent Liabilities (B-III) .....         | 5,305 00        |
| Trust Funds and Special Deposits (B-IV) .... | 167,103 36      | Trust Liabilities (B-IV) .....               | 167,103 36      |
| Sinking Funds (B-V) .....                    | 4,842,577 26    | Bonded Debt (B-V) .....                      | 11,986,600 00   |
| Total Available Assets .....                 | \$5,974,934 21  | Total Liabilities .....                      | \$12,179,203 36 |
| Fixed Assets (Unavailable B-VI) .....        | 16,849,629 13   | General Deficit and Surplus Account (B-VIII) | 10,645,359 98   |
| Grand Total of Assets .....                  | \$22,824,563 44 | Grand Total of Liabilities .....             | \$22,824,563 34 |

## SCHEDULE B-II

## CURRENT ASSETS

## CASH:

|   |             |
|---|-------------|
| Cash in the Treasury March 31, 1913 ..... | \$11,066 74 |
|---|-------------|

## GOOD ACCOUNTS RECEIVABLE:

|                                 |              |
|---------------------------------|--------------|
| Delinquent Property Taxes ..... | \$462,902 97 |
|---------------------------------|--------------|

## Other good accounts:

|                                   |          |
|-----------------------------------|----------|
| Moth Assessments .....            | 336 23   |
| Sewer Assessments .....           | 4,676 78 |
| Sidewalk Assessments .....        | 5,476 34 |
| Street Watering Assessments ..... | 4,598 07 |
| Water Department Rates, etc. .... | 4,244 12 |
| Miscellaneous Bills .....         | 4,758 55 |

|                                      |            |
|--------------------------------------|------------|
| Total Good Accounts Receivable ..... | 486,993 06 |
|--------------------------------------|------------|

|                            |              |
|----------------------------|--------------|
| Total Current Assets ..... | \$498,059 80 |
|----------------------------|--------------|

## CURRENT LIABILITIES

(Floating Debts)

## 1. OUTSTANDING ACCOUNTS DUE AND UNPAID:

|                           |          |
|---------------------------|----------|
| Of the current year ..... |          |
| Land damages .....        |          |
| Of previous years .....   |          |
| Tax sale surplus .....    | \$461 07 |

## 2. OUTSTANDING ACCOUNTS NOT DUE:

|  |           |
|--|-----------|
| Other Accounts, Miscellaneous Bills .... | 19,733 93 |
|--|-----------|

|                                 |           |
|---------------------------------|-----------|
| Total Current Liabilities ..... | 20,195 00 |
|---------------------------------|-----------|

|   |              |
|---|--------------|
| Surplus of Current Assets (B-VII) ..... | \$477,864 80 |
|---|--------------|

## SCHEDULE B-III

## CONTINGENT ASSETS

## DOUBTFUL ACCOUNTS RECEIVABLE:

Delinquent Personal Property and Poll Taxes, viz.:

|            |              |
|------------|--------------|
| 1913 ..... | \$325,379 25 |
| 1912 ..... | 59,285 26    |
| 1911 ..... | 24,416 94    |
| 1910 ..... | 26,546 22    |
| 1909 ..... | 27,275 30    |

---

\$462,902 97

Liens ..... 1,826 02

Other doubtful accounts, viz.:

Miscellaneous Bills ..... 2,464 80

---

Total Contingent Accounts ..... \$467,193 79

## CONTINGENT LIABILITIES

## RETENTION FUND ACCOUNT:

Percentage of Contractors' Payments Retained, viz.:

Peerless Motor Co. .... \$1,860 00

Knox Automobile Co. .... 3,445 00

---

5,305 00

---

Surplus of Contingent Assets (B-VII) ..... \$461,888 79



## SCHEDULE B-IV

## TRUST FUND ASSETS

## CASH IN TRUST FUNDS:

Special Deposits, etc., viz :

|                                   |            |
|-----------------------------------|------------|
| Cemetery Fund .....               | \$1,310 87 |
| Bridge Charitable Fund .....      | 2,580 25   |
| Dowse Institute Fund .....        | 492 05     |
| Daniel White Charity Fund .....   | 756 38     |
| Sarah E. Russell Fund .....       | 814 41     |
| William E. Saunders Fund .....    | 241 79     |
| Citizens' Subscription Fund ..... | 132 64     |
| Cummings Legacy .....             | 108 95     |
| Fay Legacy .....                  | 32 67      |
| James A. Woolson Fund .....       | 173 53     |
| Edward H. Whorf Fund .....        | 275 24     |
| William Penn Harding Fund .....   | 1,031 67   |
| The Hopkins Fund .....            | 569 00     |

|                                 |            |
|---------------------------------|------------|
| Total Cash in Trust Funds ..... | \$8,519 45 |
|---------------------------------|------------|

## INVESTMENT OF TRUST FUNDS:

Stocks and Bonds in Various Funds, viz.:

|                                     |              |
|-------------------------------------|--------------|
| Cemetery Fund .....                 | \$103,950 00 |
| Cummings Legacy .....               | 2,000 00     |
| Fay Legacy .....                    | 1,000 00     |
| Cemetery Fund, Deeds in Trust ..... | 252 00       |
| Citizens' Subscription Fund .....   | 5,500 00     |
| Dowse Institute Fund .....          | 10,000 00    |
| Daniel White Charity Fund .....     | 10,360 00    |
| Sanders Temperance Fund .....       | 10,000 00    |
| The Hopkins Fund .....              |              |
| William E. Saunders Fund .....      | 7,521 91     |
| James A. Woolson Fund .....         | 5,000 00     |
| Edward H. Whorf Fund .....          | 3,000 00     |

|  |            |
|--|------------|
|  | 158,583 91 |
|--|------------|

|                                   |              |
|-----------------------------------|--------------|
| Total Assets in Trust Funds ..... | \$167,103 36 |
|-----------------------------------|--------------|

## LIABILITIES

Trust Funds and Special Funds, viz.:

|                                     |              |
|-------------------------------------|--------------|
| Cemetery Fund Account .....         | \$105,260 87 |
| Bridge Charitable Fund .....        | 2,580 25     |
| Dowse Institute Fund .....          | 10,492 05    |
| Daniel White Charity Fund .....     | 11,116 38    |
| Sarah E. Russell Fund .....         | 814 41       |
| William E. Saunders Fund .....      | 7,763 70     |
| Citizens' Subscription Fund .....   | 5,632 64     |
| Cummings Legacy .....               | 2,108 95     |
| Fay Legacy .....                    | 1,032 67     |
| James A. Woolson Fund .....         | 5,173 53     |
| Edward H. Whorf Fund .....          | 3,275 24     |
| William Penn Harding Fund .....     | 1,031 67     |
| The Hopkins Fund .....              | 569 00       |
| Cemetery Fund, Deeds in Trust ..... | 252 00       |
| Sanders Temperance Fund .....       | 10,000 00    |

|                         |              |
|-------------------------|--------------|
| Total Liabilities ..... | \$167,103 36 |
|-------------------------|--------------|

## SCHEDULE B-V

## BONDED DEBTS OF THE CITY

## 1. GENERAL BONDS:

## a. For General Municipal Purposes:

Funded City Debt .....\$9,090,500 00

## b. For Municipal Enterprises:

Water Works ..... 2,896,100 00

## 2. SPECIAL ASSESSMENT BONDS:

Total of Bonded Debts .....\$11,986,600 00

Excess of Debts (Net Bonded Debt. See B-VII) \$7,144,022 74

## SINKING FUND ASSETS

## INVESTMENT OF SINKING FUNDS:

## Bonds and Other Securities, viz.:

(Per list in report of Sinking Funds Commissioners) 4,842,577 26

\$11,986,600 00

## SCHEDULE B-VI

## FIXED ASSETS

## LAND, BUILDINGS AND EQUIPMENT:

|   |              |                 |
|---|--------------|-----------------|
| Law Department, Equipment .....                 |              | \$359 00        |
| City Buildings:                                 |              |                 |
| Land .....                                      | \$135,700 00 |                 |
| Buildings .....                                 | 335,300 00   |                 |
| Equipment .....                                 | 46,558 50    |                 |
|   |              | <hr/>           |
|   |              | 517,558 00      |
| Police Department, Equipment .....              |              | 5,283 75        |
| Fire Department:                                |              |                 |
| Land .....                                      | \$49,600 00  |                 |
| Buildings .....                                 | 158,500 00   |                 |
| Equipment .....                                 | 98,195 00    |                 |
|   |              | <hr/>           |
|   |              | 306,295 00      |
| Fire and Police Telegraph, Equipment .....      |              | 45,165 00       |
| Health Department:                              |              |                 |
| Land .....                                      | \$14,600 00  |                 |
| Buildings .....                                 | 15,900 00    |                 |
| Equipment .....                                 | 5,181 25     |                 |
|   |              | <hr/>           |
|   |              | 35,681 25       |
| Inspection of Milk and Vinegar, Equipment ..... |              | 1,369 86        |
| Cemeteries:                                     |              |                 |
| Land .....                                      | \$92,000 00  |                 |
| Buildings .....                                 | 6,000 00     |                 |
| Equipment .....                                 | 3,500 00     |                 |
|   |              | <hr/>           |
|   |              | 101,500 00      |
| Sealer of Weights and Measures, Equipment ..... |              | 2,246 94        |
| City Home:                                      |              |                 |
| Land .....                                      | \$47,150 00  |                 |
| Buildings .....                                 | 28,200 00    |                 |
| Equipment .....                                 | 19,950 00    |                 |
|   |              | <hr/>           |
|   |              | 95,300 00       |
| Street Department (Stables etc.):               |              |                 |
| Land .....                                      | \$119,300 00 |                 |
| Buildings .....                                 | 66,500 00    |                 |
| Equipment .....                                 | 272,353 69   |                 |
|   |              | <hr/>           |
|   |              | 458,153 69      |
| Engineering Department, Equipment .....         |              | 131,590 00      |
| Sewer Department (Stables, etc.):               |              |                 |
| Land .....                                      | \$5,900 00   |                 |
| Buildings .....                                 | 5,600 00     |                 |
| Equipment .....                                 | 3,470 00     |                 |
|   |              | <hr/>           |
|   |              | 14,970 00       |
| Street Lighting, Equipment .....                |              | 4,005 00        |
| Bridge Department, Equipment .....              |              | 2 330 00        |
| Water Works (See Report Water Department) ..... |              | 6,640,032 87    |
| Schools:  |              |                 |
| Land .....                                      | \$371,900 00 |                 |
| Buildings .....                                 | 1,920,000 00 |                 |
| Equipment .....                                 | 190,163 09   |                 |
|   |              | <hr/>           |
|   |              | 2,482,063 09    |
| Amount carried forward .....                    |              | <hr/>           |
|   |              | \$10,843,903 45 |

## Schedule B-VI—Continued

|  |                 |                 |
|--|-----------------|-----------------|
| <i>Amount brought forward</i> .....                        |                 | \$10,843,903 45 |
| Library:   |                 |                 |
| Land .....   | \$85,000 00     |                 |
| Buildings .....  | 145,000 00      |                 |
| Equipment .....  | 98,200 00       |                 |
|  | <hr/>           | 328,200 00      |
| Parks:   |                 |                 |
| Land .....   | \$5,354,241 68  |                 |
| Buildings .....  | 122 100 00      |                 |
| Equipment .....  | 3,600 00        |                 |
|  | <hr/>           | 5,479,941 68    |
| Playgrounds .....  |                 | 180,384 00      |
| Other land not included in any of the Dept. Schedules..... |                 | 17,200 00       |
|  |                 | <hr/>           |
| Total Fixed Assets (See B-VII) .....                       | \$16,849,629 13 | <hr/> <hr/>     |



## SCHEDULE B-VII

## GENERAL DEFICIT AND SURPLUS ACCOUNT

## DEFICITS

|   |                |
|---|----------------|
| †Deficit of Current Assets (B-II), if any .....     |                |
| †Deficit of Contingent Assets (B-III), if any ..... |                |
| †Deficit of Trust Fund Assets (B-IV), if any .....  |                |
| *Deficit of Sinking Funds Assets (B-V), viz.:       |                |
| Net Bonded Debt .....                               | \$7,144,022 74 |
| Total of all Deficits .....                         | \$7,144,022 74 |

## SURPLUS

|  |                |
|--|----------------|
| *Surplus of Current Assets (B-II), if any .....    | \$477,864 80   |
| †Surplus of Contingent Assets (B-III), if any .... | 461,888 79     |
| †Surplus of Trust Funds (B-IV), if any .....       |                |
| †Surplus of Sinking Funds (B-V), if any .....      |                |
| Total Surplus, excluding Fixed Assets .....        | 939,753 59     |
| Excess of Deficits, viz.:                          |                |
| Total Net Debts of the City .....                  | \$6,204,269 15 |

## BALANCE

## Total of Fixed Assets:

|  |                 |
|--|-----------------|
| Land, Buildings, Equipments (B-VI) .....             | \$16,849,629 13 |
| Deduct Total Net Debts of the City, as above....     | 6,204,269 15    |
| Balance of this Account, General Surplus (B-I) ..... | \$10,645,359 98 |

\*Balance of Schedule (B-II) will appear under one or the other of these heads.  
†Balance of other schedules (B-III), etc., will appear in like manner.  
‡Fixed Assets are set up by themselves under "Balance." (See above).



# SCHEDULE B

No. VIII

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## CITY FUNDED DEBT; CITY SERIAL DEBT AND OTHER MISCELLANEOUS TABLES

## CITY FUNDED DEBT

There have been additions to the City Funded Debt during the year as follows:

|   |                     |
|---|---------------------|
| Sewer Loan, serial coupon bonds, payable in one to ten years, at an annual interest of four per cent.<br>For the purpose of constructing sewers, as authorized by Chapter 27 of the Revised Laws .....  | \$6,000 00          |
| Sewer Loans, registered bonds, payable in thirty years, at an annual interest of four per cent.<br>For the purpose of constructing sewers, as authorized by Chapter 27 of the Revised Laws .....  | 25,000 00           |
| Street Loans, registered bonds, payable in twenty years, at an annual interest of four per cent.<br>For the purpose of the "construction of a permanent character" of sundry accepted highways, as authorized by Chapter 482, Acts of 1910 .....    | 22,000 00           |
| Street Loans, registered bonds, payable in ten years, at an annual interest of four per cent.<br>For the purpose of constructing new streets and the rebuilding of sundry streets, as authorized by Chapter 27, of the Revised Laws .....           | 57,800 00           |
| Municipal Loan, coupon bonds, payable in ten years, at an annual interest of four per cent.<br>For the purpose of constructing and equipping Russell Field and building a grand stand .....   | 25,000 00           |
| School Teachers' Salary Loan, serial coupon bonds, payable one to five years, at an annual interest of four per cent.<br>For the purpose of increasing school teachers' salaries, as authorized by Chapter 804, Acts of 1913 .....                  | 28,000 00           |
| Building Loan, serial coupon bonds, payable in one to ten years, at an annual interest of four and one-half per cent.<br>For the purpose of building a new engine house on city land at Inman Square .....  | 55,000 00           |
| Street Loans, serial coupon bonds, payable in one to ten years, at an annual interest of four and one-half per cent.<br>For the purpose of paying of land damages, as authorized by Chapter 27 of the Revised Laws .....                            | 15,000 00           |
| Street Loan, serial coupon bonds, payable in one to twenty years, at an annual interest of four and one-half per cent.<br>For the purpose of constructing and rebuilding sundry accepted highways, as authorized by Chapter 482, Acts of 1910 ..... | 41,500 00           |
| Municipal Loan, serial coupon bonds, payable in one to ten years, at an annual interest of four per cent.<br>For the purpose of purchasing motor equipped fire apparatus, as authorized by Chapter 27 of the Revised Laws..                         | 11,000 00           |
| <i>Amount carried forward</i> .....   | <u>\$286,300 00</u> |



## City Funded Debt—Continued

|   |                     |
|---|---------------------|
| Amount brought forward .....  | \$286,300 00        |
| Schoolhouse Loan, serial coupon bonds, payable in one to twenty years, at an annual interest of four and one-half per cent.<br>For the purpose of purchasing land for building new schoolhouse on Cushing street, as authorized by Chapter 27 of the Revised Laws ..... | 65,000 00           |
| Street Loans, serial coupon bonds, payable in one to ten years, at an annual interest of four and one-half per cent.<br>For the purpose of constructing and rebuilding sundry accepted highways, as authorized by Chapter 482, Acts of 1910 .....                       | 56,700 00           |
|   | <u>\$408,000 00</u> |
| The following matured bonds have been paid:<br>Clay Land Loan, registered bonds issued August 1, 1898, at an annual interest of three and one-half per cent. ....   | \$10,000 00         |
|   | <u>10,000 00</u>    |
| Net increase .....  | \$398,000 00        |

|                          | April 1, 1913  | April 1, 1914  | Increase    | Decrease     |
|--------------------------|----------------|----------------|-------------|--------------|
| Funded City Debt .....   | \$8,694,500 60 | \$8,764,300 00 | \$69,800 00 |              |
| Sinking Funds .....      | 2,598,410 09   | 2,956,610 69   | 358,200 60  |              |
| Net Funded City Debt.... | \$6,096,089 91 | \$5,807,689 31 |             | \$288,400 60 |

The following is a statement of the total funded debt of the City, with the rates of interest thereon:—

## HARVARD BRIDGE LOAN.

| Date of Issue.       | Rate of Interest.   | When Due.           | Amount.     | Total.       |
|----------------------|---------------------|---------------------|-------------|--------------|
| Oct. 1, 1887 R.....  | 4 per cent.—30 yrs. | Oct. 1, 1917.. . .  | \$10,000 00 |              |
| July 1, 1888 C.....  | 4 " —30 "           | July 1, 1918.. . .  | 100,000 00  |              |
| Sept. 1, 1888 C..... | 4 " —30 "           | Sept. 1, 1918.. . . | 100,000 00  |              |
| Mar. 1, 1889 C.....  | 4 " —30 "           | Mar. 1, 1919.. . .  | 115,000 00  |              |
| Nov. 1, 1890 R.....  | 4 " —30 "           | Nov. 1, 1920.. . .  | 5,000 00    |              |
| July 1, 1891 R. & C. | 4 " —30 "           | July 1, 1921.. . .  | 60,000 00   |              |
| Aug. 1, 1893 C.....  | 4 " —30 "           | Aug. 1, 1923.. . .  | 10,000 00   | \$400,000 00 |

Amount carried forward ..... \$400,000 00

City Funded Debt—Continued

Amount brought forward ..... \$400,000 00

CAMBRIDGE BRIDGE LOAN.

|                      |                      |                    |             |                |
|----------------------|----------------------|--------------------|-------------|----------------|
| July 1, 1899 R.....  | 3½ per cent.—40 yrs. | July 1, 1939.....  | \$50,000 00 |                |
| July 2, 1900 R.....  | 3½ " —40 "           | July 2, 1940.....  | 100,000 00  |                |
| Feb. 1, 1901 R.....  | 3 " —40 "            | Feb. 1, 1941.....  | 100,000 00  |                |
| Nov. 1, 1901 R.....  | 3½ " —40 "           | Nov. 1, 1941.....  | 100,000 00  |                |
| July 1, 1902 R. & C. | 3½ " —40 "           | July 1, 1942.....  | 100,000 00  |                |
| Jan. 1, 1903 R.....  | 3½ " —40 "           | Jan. 1, 1943.....  | 50,000 00   |                |
| Apr. 1, 1903 R.....  | 3½ " —40 "           | Apr. 1, 1943.....  | 50,000 00   |                |
| Aug. 1, 1903 C.....  | 3½ " —40 "           | Aug. 1, 1943.....  | 50,000 00   |                |
| Jan. 1, 1904 R.....  | 3½ " —40 "           | Jan. 1, 1944.....  | 100,000 00  |                |
| May 1, 1904 R. & C.  | 3½ " —40 "           | May 1, 1944.....   | 200,000 00  |                |
| Aug. 1, 1904 R.....  | 3½ " —40 "           | Aug. 1, 1944.....  | 100,000 00  |                |
| Sept. 1, 1904 R..... | 3½ " —40 "           | Sept. 1, 1944..... | 50,000 00   |                |
| May 1, 1905 R.....   | 3½ " —40 "           | May 1, 1945.....   | 150,000 00  |                |
| Dec. 1, 1905 R.....  | 3½ " —40 "           | Dec. 1, 1945.....  | 100,000 00  |                |
| Aug. 1, 1906 R.....  | 4 " —40 "            | Aug. 1, 1946.....  | 150,000 00  |                |
| Jan. 1, 1907 R.....  | 4 " —40 "            | Jan. 1, 1947.....  | 50,000 00   |                |
| July 1, 1907 C.....  | 4 " —40 "            | July 1, 1947.....  | 40,000 00   |                |
| Oct. 1, 1907 C.....  | 4 " —40 "            | Oct. 1, 1947.....  | 15,000 00   |                |
| Aug. 1, 1908 R.....  | 4 " —40 "            | Aug. 1, 1948.....  | 45,000 00   |                |
| July 1, 1910 R.....  | 4 " —40 "            | July 1, 1950.....  | 20,000 00   |                |
| Dec. 1, 1911 C.....  | 3½ " —40 "           | Dec. 1, 1951.....  | 10,000 00   |                |
| Mar. 1, 1912 C.....  | 3½ " —40 "           | Mar. 1, 1952.....  | 10,000 00   | \$1,640,000 00 |

BROOKLINE BRIDGE LOAN.

|                     |                      |                    |             |             |
|---------------------|----------------------|--------------------|-------------|-------------|
| Jan. 1, 1906 .....  | 3½ per cent.—40 yrs. | Jan. 1, 1946.....  | \$20,000 00 |             |
| Sept. 1, 1906 ..... | 4 " —40 "            | Sept. 1, 1946..... | 5,000 00    | \$25,000 00 |

COMMERCIAL AVENUE BRIDGE.

|                    |                     |                   |  |             |
|--------------------|---------------------|-------------------|--|-------------|
| Aug. 1, 1906 ..... | 4 per cent.—40 yrs. | Aug. 1, 1946..... |  | \$50,000 00 |
|--------------------|---------------------|-------------------|--|-------------|

BUILDING LOAN.

|                      |                     |                    |             |              |
|----------------------|---------------------|--------------------|-------------|--------------|
| Aug. 1, 1894 R. & C. | 4 per cent.—20 yrs. | Aug. 1, 1914.....  | \$37,000 00 |              |
| Oct. 1, 1895 R.....  | 4 " —20 "           | Oct. 1, 1915.....  | 25,000 00   |              |
| Oct. 1, 1896 R.....  | 4 " —20 "           | Oct. 1, 1916.....  | 60,000 00   |              |
| Apr. 1, 1903 R.....  | 3½ " —20 "          | Apr. 1, 1923.....  | 3,000 00    |              |
| Apr. 1, 1904 C.....  | 3½ " —20 "          | Apr. 1, 1924.....  | 25,000 00   |              |
| May 1, 1904 R.....   | 3½ " —20 "          | May 1, 1924.....   | 5,000 00    |              |
| Sept. 1, 1907 R..... | 4 " —20 "           | Sept. 1, 1927..... | 30,000 00   | \$185,000 00 |

CAMBRIDGE BRIDGE SPECIAL LOAN.

(Charles River Dam.)

|                    |                      |                  |  |             |
|--------------------|----------------------|------------------|--|-------------|
| May 1, 1904 R..... | 3½ per cent.—30 yrs. | May 1, 1934..... |  | \$28,000 00 |
|--------------------|----------------------|------------------|--|-------------|

CITY LOAN.

|                     |                     |                   |            |            |
|---------------------|---------------------|-------------------|------------|------------|
| July 1, 1910 R..... | 4 per cent.—10 yrs. | July 1, 1920..... | \$8,000 00 | \$8,000 00 |
|---------------------|---------------------|-------------------|------------|------------|

Amount carried forward ..... \$2,336,000 00

## City Funded Debt—Continued

Amount brought forward ..... \$2,336,000 00

## CITY OF CAMBRIDGE, ACTS OF 1908—LOAN.

|                     |                     |                   |  |              |
|---------------------|---------------------|-------------------|--|--------------|
| May 1, 1908 R. & C. | 4 per cent.—10 yrs. | May 1, 1918.. . . |  | \$400,000 00 |
|---------------------|---------------------|-------------------|--|--------------|

## CLAY LAND LOAN.

|                     |                     |                    |             |             |
|---------------------|---------------------|--------------------|-------------|-------------|
| July 1, 1899 R..... | 3½ per cent.—15 yrs | July 1, 1914.. . . | \$17,000 00 | \$17,000 00 |
|---------------------|---------------------|--------------------|-------------|-------------|

## HOSPITAL LOAN.

|                     |                      |                    |            |              |
|---------------------|----------------------|--------------------|------------|--------------|
| Aug. 1, 1902 R....  | 3½ per cent.—20 yrs. | July 1, 1922.. . . | \$6,000 00 | \$150,000 00 |
| July 1, 1902 R..... | 4 " —20 "            | Aug. 1, 1928.. . . | 20,000 00  |              |
| July 1, 1910 C..... | 4 " —20 "            | July 1, 1930.....  | 95,000 00  |              |
| Dec. 1, 1911 R..... | 3½ " —20 "           | Dec. 1, 1931.....  | 4,000 00   |              |
| Mar. 1, 1912 C..... | 3½ " —20 "           | Mar. 1, 1932.....  | 25,000 00  |              |

## METROPOLITAN PARK ASSESSMENT LOAN.

|                     |                      |                    |  |             |
|---------------------|----------------------|--------------------|--|-------------|
| Aug. 1, 1902 R..... | 3½ per cent.—30 yrs. | Aug. 1, 1932.. . . |  | \$46,000 00 |
|---------------------|----------------------|--------------------|--|-------------|

## PARK LOAN.

|                      |                     |                     |              |                |
|----------------------|---------------------|---------------------|--------------|----------------|
| Feb. 1, 1894 R. & C. | 4 per cent.—30 yrs. | Feb. 1, 1924.. . .  | \$360,000 00 | \$1,600,000 00 |
| Aug. 1, 1895 R.....  | 4 " —40 "           | Aug. 1, 1935.. . .  | 100,000 00   |                |
| Feb. 1, 1896 R.....  | 4 " —40 "           | Feb. 1, 1936.. . .  | 100,000 00   |                |
| Aug. 1, 1896 R.....  | 4 " —30 "           | Aug. 1, 1926.. . .  | 100,000 00   |                |
| Oct. 1, 1896 R.....  | 4 " —30 "           | Oct. 1, 1926.. . .  | 40,000 00    |                |
| Sept. 1, 1897 R..... | 3½ " —40 "          | Sept. 1, 1937.. . . | 100,000 00   |                |
| Nov. 1, 1897 R.....  | 3½ " —40 "          | Nov. 1, 1937.. . .  | 50,000 00    |                |
| June 1, 1898 R.....  | 3½ " —40 "          | June 1, 1938.. . .  | 50,000 00    |                |
| Aug. 1, 1898 R.....  | 3½ " —40 "          | Aug. 1, 1938.. . .  | 100,000 00   |                |
| Aug. 1, 1899 R.....  | 3½ " —40 "          | Aug. 1, 1939.. . .  | 100,000 00   |                |
| July 2, 1900 R.....  | 3½ " —40 "          | July 2, 1940.. . .  | 50,000 00    |                |
| Nov. 1, 1900 R.....  | 3½ " —40 "          | Nov. 1, 1940.. . .  | 50,000 00    |                |
| Nov. 1, 1901 R.....  | 3½ " —40 "          | Nov. 1, 1941.. . .  | 100,000 00   |                |
| July 1, 1902 R.....  | 3½ " —40 "          | July 1, 1942.. . .  | 48,000 00    |                |
| Apr. 1, 1903 R.....  | 3½ " —40 "          | Apr. 1, 1943.. . .  | 50,000 00    |                |
| Sept. 1, 1904 R..... | 3½ " —40 "          | Sept. 1, 1944.. . . | 25,000 00    |                |
| Nov. 1, 1904 R.....  | 3½ " —40 "          | Nov. 1, 1944.. . .  | 6,000 00     |                |
| Apr. 1, 1905 R.....  | 3½ " —40 "          | Apr. 1, 1945.. . .  | 5,000 00     |                |
| May 1, 1905 R.....   | 3½ " —40 "          | May 1, 1945.. . .   | 45,000 00    |                |
| Aug. 1, 1905 R.....  | 3½ " —40 "          | Aug. 1, 1945.. . .  | 5,000 00     |                |
| Sept. 1, 1906 R..... | 4 " —40 "           | Sept. 1, 1946.. . . | 25,000 00    |                |
| Oct. 1, 1907 R.....  | 4 " —40 "           | Oct. 1, 1947.. . .  | 10,000 00    |                |
| Aug. 1, 1908 R.....  | 4 " —40 "           | Nov. 1, 1948.. . .  | 30,000 00    |                |
| Nov. 1, 1908 R.....  | 4 " —40 "           | Nov. 1, 1948.. . .  | 12,000 00    |                |
| Jan. 1, 1910 R.....  | 3½ " —40 "          | Jan. 1, 1950.. . .  | 8,800 00     |                |
| Mar. 1, 1911 R.....  | 3½ " —40 "          | Mar. 1, 1951.. . .  | 17,000 00    |                |
| July 1, 1911 R.....  | 3½ " —10 "          | July 1, 1951.. . .  | 7,000 00     |                |
| Dec. 1, 1911 R. & C. | 3½ " —40 "          | Dec. 1, 1951.. . .  | 6,200 00     |                |

Amount carried forward ..... \$4,549,000 00



City Funded Debt—Continued

Amount brought forward ..... \$4,549,000 00

PUBLIC LIBRARY LOAN.

|                     |                      |                    |  |             |
|---------------------|----------------------|--------------------|--|-------------|
| Nov. 1, 1901 R..... | 3½ per cent.—20 yrs. | Nov. 1, 1921... .. |  | \$27,000 00 |
|---------------------|----------------------|--------------------|--|-------------|

SCHOOLHOUSE LOAN.

|                      |                     |                    |             |                |
|----------------------|---------------------|--------------------|-------------|----------------|
| Aug. 1, 1894 R. & C. | 4 per cent.—20 yrs. | Aug. 1, 1914... .. | \$81,000 00 |                |
| Oct. 1, 1895 R.....  | 4 " —20 "           | Oct. 1, 1915... .. | 85,000 00   |                |
| July 1, 1896 R.....  | 4 " —20 "           | July 1, 1916... .. | 10,000 00   |                |
| Oct. 1, 1896 R.....  | 4 " —20 "           | Oct. 1, 1916... .. | 33,000 00   |                |
| Oct. 1, 1896 R.....  | 4 " —20 "           | Oct. 1, 1916... .. | 6,000 00    |                |
| July 1, 1897 R.....  | 3½ " —20 "          | July 1, 1917... .. | 100,000 00  |                |
| May 2, 1898 R.....   | 3½ " —20 "          | May 2, 1918... ..  | 100,000 00  |                |
| June 1, 1898 R.....  | 3½ " —20 "          | June 1, 1918... .. | 50,000 00   |                |
| Aug. 1, 1898 R.....  | 3½ " —20 "          | Aug. 1, 1918... .. | 142,000 00  |                |
| July 1, 1899 R.....  | 3½ " —20 "          | July 1, 1919... .. | 42,000 00   |                |
| Nov. 1, 1899 R.....  | 3½ " —20 "          | Nov. 1, 1919... .. | 13,000 00   |                |
| July 1, 1901 R.....  | 3½ " —20 "          | July 1, 1921... .. | 76,000 00   |                |
| July 1, 1902 R.....  | 3½ " —20 "          | July 1, 1922... .. | 86,500 00   |                |
| Oct. 1, 1902 R.....  | 3½ " —20 "          | Oct. 1, 1922... .. | 11,000 00   |                |
| Oct. 1, 1903 R.....  | 3½ " —20 "          | Oct. 1, 1923... .. | 80,000 00   |                |
| Apr. 1, 1904 C.....  | 3½ " —20 "          | Apr. 1, 1924... .. | 80,000 00   |                |
| Nov. 1, 1904 R.....  | 3½ " —20 "          | Nov. 1, 1924... .. | 20,000 00   |                |
| Nov. 1, 1904 R.....  | 3½ " —20 "          | Nov. 1, 1924... .. | 6,000 00    |                |
| May 1, 1905 R.....   | 3½ " —20 "          | May 1, 1925... ..  | 20,950 00   |                |
| Aug. 1, 1905 R.....  | 3½ " —20 "          | Aug. 1, 1925... .. | 20,000 00   |                |
| Aug. 1, 1906 R.....  | 4 " —20 "           | Aug. 1, 1926... .. | 83,000 00   |                |
| Nov. 1, 1906 R.....  | 4 " —20 "           | Nov. 1, 1926... .. | 14,000 00   |                |
| Dec. 1, 1908 R.....  | 3½ " —20 "          | Dec. 1, 1928... .. | 40,000 00   |                |
| Jan. 1, 1910 R. & C. | 3½ " —20 "          | Jan. 1, 1930... .. | 93,500 00   |                |
| July 1, 1910 R.....  | 4 " —20 "           | July 1, 1930... .. | 120,000 00  |                |
| Mar. 1, 1911 R.....  | 3½ " —20 "          | Mar. 1, 1931... .. | 5,000 00    |                |
| Mar. 1, 1912 C.....  | 3½ " —20 "          | Mar. 1, 1932... .. | 2,500 00    |                |
| Feb. 1, 1913 C.....  | 3½ " —20 "          | Feb. 1, 1933... .. | 5,000 00    | \$1,325,450 00 |

SEWER LOAN. (Construction General.)

|                      |                     |                    |           |              |
|----------------------|---------------------|--------------------|-----------|--------------|
| Aug. 1, 1894 R. & C. | 4 per cent.—30 yrs. | Aug. 1, 1924... .. | 75,000 00 |              |
| Oct. 1, 1895 R.....  | 4 " —30 "           | Oct. 1, 1925... .. | 60,000 00 |              |
| Oct. 1, 1896 R.....  | 4 " —20 "           | Oct. 1, 1916... .. | 75,000 00 |              |
| Aug. 1, 1901 R.....  | 3½ " —30 "          | Aug. 1, 1931... .. | 10,000 00 |              |
| Oct. 1, 1903 R.....  | 3½ " —30 "          | Oct. 1, 1933... .. | 20,000 00 |              |
| May 1, 1904 R.....   | 3½ " —30 "          | May 1, 1934... ..  | 40,000 00 |              |
| Nov. 1, 1904 R.....  | 3½ " —30 "          | Nov. 1, 1934... .. | 5,000 00  |              |
| May 1, 1905 R.....   | 3½ " —30 "          | May 1, 1935... ..  | 15,000 00 |              |
| May 1, 1906 R.....   | 4 " —30 "           | May 1, 1936... ..  | 10,000 00 |              |
| Apr. 1, 1907 R.....  | 4 " —30 "           | Apr. 1, 1937... .. | 35,000 00 |              |
| Dec. 1, 1908 R.....  | 4 " —30 "           | Dec. 1, 1938... .. | 5,000 00  |              |
| Jan. 1, 1910 R. & C. | 3½ " —30 "          | Jan. 1, 1940... .. | 23,000 00 |              |
| July 1, 1910 R.....  | 4 " —30 "           | July 1, 1940... .. | 15,000 00 |              |
| Mar. 1, 1911 R.....  | 3½ " —30 "          | Mar. 1, 1941... .. | 10,000 00 |              |
| July 1, 1911 R.....  | 3½ " —30 "          | July 1, 1941... .. | 10,000 00 |              |
| Feb. 1, 1913 C.....  | 3½ " —30 "          | Feb. 1, 1943... .. | 10,000 00 |              |
| July 1, 1913 C.....  | 4 " —30 "           | July 1, 1943... .. | 20,000 00 |              |
| July 1, 1913 C.....  | 4 " —30 "           | July 1, 1943... .. | 5,000 00  | \$443,000 00 |

SEWER LOAN. (Improved Sewerage.)

|                     |                      |                    |             |              |
|---------------------|----------------------|--------------------|-------------|--------------|
| Nov. 1, 1899 R..... | 3½ per cent.—30 yrs. | Nov. 1, 1929... .. | \$42,000 00 |              |
| July 2, 1900 R..... | 3½ " —30 "           | July 2, 1930... .. | 100,000 00  |              |
| Aug. 1, 1901 R..... | 3½ " —30 "           | Aug. 1, 1931... .. | 100,000 00  |              |
| Nov. 1, 1902 R..... | 3½ " —30 "           | Nov. 1, 1932... .. | 20,000 00   |              |
| Apr. 1, 1903 R..... | 3½ " —30 "           | Apr. 1, 1933... .. | 40,000 00   |              |
| May 1, 1904 R.....  | 3½ " —30 "           | May 1, 1934... ..  | 47,000 00   |              |
| May 1, 1905 R.....  | 3½ " —30 "           | May 1, 1935... ..  | 50,000 00   | \$390,000 00 |

Amount carried forward ..... \$6,743,450 00



## City Funded Debt—Continued

Amount brought forward ..... \$6,743,450 00

**SEWER LOAN. (Separate System of Drainage.)**

|                      |    |                   |                    |             |              |
|----------------------|----|-------------------|--------------------|-------------|--------------|
| May 1, 1904 R.....   | 3½ | per cent.—30 yrs. | May 1, 1934.....   | \$25,000 00 |              |
| May 1, 1905 R.....   | 3½ | " —30 "           | May 1, 1935.....   | 25,000 00   |              |
| May 1, 1906 R.....   | 4  | " —30 "           | May 1, 1936.....   | 25,000 00   |              |
| Sept. 1, 1906 R..... | 4  | " —30 "           | Sept. 1, 1936..... | 25,000 00   |              |
| Apr. 1, 1907 R.....  | 4  | " —30 "           | Apr. 1, 1937.....  | 25,000 00   |              |
| Nov. 1, 1907 R.....  | 4  | " —30 "           | Nov. 1, 1937.....  | 10,000 00   |              |
| Aug. 1, 1908 R.....  | 4  | " —30 "           | Aug. 1, 1938.....  | 25,000 00   |              |
| Dec. 1, 1908 R.....  | 4  | " —30 "           | Dec. 1, 1938.....  | 12,000 00   |              |
| July 1, 1909 R.....  | 3½ | " —30 "           | July 1, 1939.....  | 2,000 00    |              |
| Jan. 1, 1910 C.....  | 3½ | " —30 "           | Jan. 1, 1940.....  | 23,000 00   |              |
| July 1, 1910 R.....  | 4  | " —30 "           | July 1, 1940.....  | 25,000 00   |              |
| July 1, 1911 R.....  | 3½ | " —30 "           | Mar. 1, 1941.....  | 10,000 00   |              |
| Dec. 1, 1911 C.....  | 3½ | " —30 "           | Dec. 1, 1941.....  | 10,000 00   |              |
| Sept. 1, 1912 C..... | 3½ | " —30 "           | Sept. 1, 1942..... | 15,000 00   |              |
| Feb. 1, 1913 C.....  | 3½ | " —30 "           | Feb. 1, 1943.....  | 10,000 00   | \$267,000 00 |

**STREET LOAN.**

|                      |    |                   |                    |             |                |
|----------------------|----|-------------------|--------------------|-------------|----------------|
| Aug. 1, 1894 C.....  | 4  | per cent.—20 yrs. | Aug. 1, 1914.....  | \$30,000 00 |                |
| Oct. 1, 1895 R.....  | 4  | " —20 "           | Oct. 1, 1915.....  | 60,000 00   |                |
| Oct. 1, 1896 R.....  | 4  | " —20 "           | Oct. 1, 1916.....  | 137,000 00  |                |
| May 2, 1898 R.....   | 3½ | " —20 "           | May 2, 1918.....   | 15,000 00   |                |
| Nov. 1, 1899 R.....  | 3½ | " —20 "           | Nov. 1, 1919.....  | 5,000 00    |                |
| Nov. 1, 1900 R.....  | 3½ | " —20 "           | Nov. 1, 1920.....  | 21,000 00   |                |
| July 1, 1901 R.....  | 3½ | " —20 "           | July 1, 1921.....  | 54,000 00   |                |
| July 1, 1902 R.....  | 3½ | " —20 "           | July 1, 1922.....  | 30,000 00   |                |
| July 1, 1902 R.....  | 3½ | " —10 "           | July 1, 1912.....  | 24,000 00   |                |
| Nov. 1, 1902 R.....  | 3½ | " —20 "           | Nov. 1, 1922.....  | 14,000 00   |                |
| Apr. 1, 1903 R.....  | 3½ | " —20 "           | Apr. 1, 1923.....  | 4,000 00    |                |
| Nov. 2, 1903 R.....  | 3½ | " —20 "           | Nov. 2, 1923.....  | 12,000 00   |                |
| Sept. 1, 1904 R..... | 3½ | " —20 "           | Sept. 1, 1924..... | 59,000 00   |                |
| Nov. 1, 1904 R.....  | 3½ | " —20 "           | Nov. 1, 1924.....  | 6,500 00    |                |
| May 1, 1905 R.....   | 3½ | " —20 "           | May 1, 1925.....   | 84,000 00   |                |
| Nov. 1, 1905 R.....  | 3½ | " —20 "           | Nov. 1, 1925.....  | 1,500 00    |                |
| May 1, 1906 R. & C.  | 4  | " —20 "           | May 1, 1926.....   | 100,000 00  |                |
| Aug. 1, 1906 R.....  | 4  | " —20 "           | Aug. 1, 1926.....  | 22,000 00   |                |
| Apr. 1, 1907 R.....  | 4  | " —20 "           | Apr. 1, 1927.....  | 40,000 00   |                |
| June 1, 1907 R.....  | 4  | " —20 "           | June 1, 1927.....  | 19,000 00   |                |
| Sept. 1, 1907 R..... | 4  | " —20 "           | Sept. 1, 1927..... | 25,000 00   |                |
| Nov. 1, 1907 R.....  | 4  | " —20 "           | Nov. 1, 1927.....  | 10,000 00   |                |
| Jan. 1, 1908 C.....  | 4  | " —20 "           | Jan. 1, 1928.....  | 34,000 00   |                |
| Jan. 1, 1908 C.....  | 4  | " —10 "           | Jan. 1, 1918.....  | 10,000 00   |                |
| June 1, 1908 R.....  | 4  | " —10 "           | June 1, 1918.....  | 30,000 00   |                |
| Aug. 1, 1908 R.....  | 4  | " —10 "           | Aug. 1, 1918.....  | 7,000 00    |                |
| Aug. 1, 1908 R.....  | 4  | " —20 "           | Aug. 1, 1928.....  | 42,000 00   |                |
| Mar. 1, 1909 R.....  | 3½ | " —20 "           | Mar. 1, 1929.....  | 20,000 00   |                |
| Jan. 1, 1910 R.....  | 3½ | " —10 "           | Jan. 1, 1920.....  | 75,000 00   |                |
| Jan. 1, 1910 R. & C. | 3½ | " —20 "           | Jan. 1, 1930.....  | 13,500 00   |                |
| July 1, 1910 R.....  | 4  | " —20 "           | July 1, 1930.....  | 12,000 00   |                |
| Mar. 1, 1911 R.....  | 3½ | " —20 "           | Mar. 1, 1940.....  | 42,000 00   |                |
| Mar. 1, 1911 R.....  | 3½ | " —10 "           | Mar. 1, 1921.....  | 60,800 00   |                |
| July 1, 1911 R.....  | 3½ | " —20 "           | July 1, 1931.....  | 53,000 00   |                |
| July 1, 1911 C.....  | 3½ | " —10 "           | July 1, 1921.....  | 55,000 00   |                |
| Dec. 1, 1911 C.....  | 4  | " —10 "           | Dec. 1, 1921.....  | 17,000 00   |                |
| Mar. 1, 1912 C.....  | 3½ | " —10 "           | Mar. 1, 1922.....  | 15,500 00   |                |
| Sept. 1, 1912 C..... | 4  | " —10 "           | Sept. 1, 1922..... | 118,000 00  |                |
| Sept. 1, 1912 C..... | 3½ | " —10 "           | Sept. 1, 1922..... | 7,000 00    |                |
| Sept. 1, 1912 C..... | 3½ | " —20 "           | Sept. 1, 1932..... | 6,200 00    |                |
| Feb. 1, 1913 C.....  | 4  | " —10 "           | Feb. 1, 1923.....  | 13,000 00   |                |
| Feb. 1, 1913 C.....  | 3½ | " —20 "           | Feb. 1, 1933.....  | 6,250 00    |                |
| July 1, 1913 C.....  | 4  | " —10 "           | July 1, 1923.....  | 20,000 00   |                |
| July 1, 1913 C.....  | 4  | " —10 "           | July 1, 1923.....  | 37,800 00   |                |
| July 1, 1913 C.....  | 4  | " —20 "           | July 1, 1933.....  | 4,000 00    |                |
| Aug. 1, 1913 C.....  | 4  | " —20 "           | Aug. 1, 1933.....  | 3,700 00    |                |
| Aug. 1, 1913 C.....  | 4  | " —20 "           | Aug. 1, 1933.....  | 14,300 00   | \$1,466 050 00 |

Amount carried forward ..... \$8,476,500 00

City Funded Debt—Continued

Amount brought forward ..... \$8,476,500 00

PLAYGROUND LOAN.

|                     |                     |                    |             |             |
|---------------------|---------------------|--------------------|-------------|-------------|
| July 1, 1910 R..... | 4 per cent.—30 yrs. | July 1, 1940 ..... | \$50,000 00 |             |
| July 1 1911 R.....  | 4 “ —30 “           | July 1, 1941 ..... | 15,000 00   |             |
| Dec. 1 1911 R.....  | 4 “ —30 “           | Dec. 1, 1941 ..... | 30,000 00   | \$95,000 00 |

PLAYGROUND CONSTRUCTION LOAN.

|                      |                      |                     |             |             |
|----------------------|----------------------|---------------------|-------------|-------------|
| July 1, 1911 R.....  | 3½ per cent.—10 yrs. | July 1, 1921.....   | \$25,000 00 |             |
| Sept. 1, 1912 C..... | 4 “ —10 “            | Sept. 1, 1922 ..... | 35,000 00   | \$60,000 00 |

CHARLES RIVER BASIN ASSESSMENT LOAN.

|                     |                    |                   |  |             |
|---------------------|--------------------|-------------------|--|-------------|
| Dec. 1, 1911 C..... | 4 per cent.—10 yrs | Dec. 1, 1921..... |  | \$60,000 00 |
|---------------------|--------------------|-------------------|--|-------------|

CEMETERY LOAN.

|                     |                      |                   |  |            |
|---------------------|----------------------|-------------------|--|------------|
| July 1, 1911 R..... | 3½ per cent.—10 yrs. | July 1, 1921..... |  | \$8,000 00 |
|---------------------|----------------------|-------------------|--|------------|

MUNICIPAL LOAN

|                     |                     |                    |             |             |
|---------------------|---------------------|--------------------|-------------|-------------|
| Feb. 1, 1913 C..... | 4 per cent.—10 yrs. | Feb. 1, 1923 ..... | \$39,800 00 |             |
| July 1, 1914 C..... | 4 “ —10 “           | July 1, 1924 ..... | 25,000 00   | \$64,800 00 |

Total Funded Debt, \$8,764,300 00.

SERIAL LOANS

|               |            |           |              |                 |             |
|---------------|------------|-----------|--------------|-----------------|-------------|
| Sept. 1, 1912 | \$2,000 00 | each year | 1914 to 1932 | Park            | \$38,000 00 |
| Sept. 1, 1912 | 1,000 00   | each year | 1933 to 1942 | Park            | 10,000 00   |
| July 1, 1913  | 800 00     | each year | 1914 to 1923 | Street          | 8,000 00    |
| July 1, 1913  | 3,500 00   | each year | 1914         | Street          | 3,500 00    |
| July 1, 1913  | 2,000 00   | each year | 1915 to 1933 | Street          | 38,000 00   |
| July 1, 1913  | 5,000 00   | each year | 1914 to 1922 | Street          | 45,000 00   |
| July 1, 1913  | 3,700 00   | each year | 1923         | Street          | 3,700 00    |
| July 1, 1913  | 1,500 00   | each year | 1914 to 1923 | Street          | 15,000 00   |
| July 1, 1913  | 5,500 00   | each year | 1914 to 1923 | Building        | 55,000 00   |
| July 1, 1913  | 3,250 00   | each year | 1914 to 1933 | School          | 65,000 00   |
| Dec. 1, 1913  | 1,500 00   | each year | 1914 & 1915  | Municipal       | 3,000 00    |
| Dec. 1, 1913  | 1,000 00   | each year | 1916 to 1923 | Municipal       | 8,000 00    |
| Mar. 1, 1914  | 8,000 00   | each year | 1915         | School Teachers | 8,000 00    |
| Mar. 1, 1914  | 5,000 00   | each year | 1916 to 1919 | School Teachers | 20,000 00   |
| Mar. 1, 1914  | 500 00     | each year | 1915 to 1926 | Sewer           | 6,000 00    |

Total Funded and Serial Debt ..... \$9,040,500 00

## City Funded Debt—Continued

Detail of the bonded city debt, issued serially, matures as follows:

|       |         |           |     |          |
|-------|---------|-----------|-----|----------|
| July  | 1, 1914 | Street    | 4½% | \$800 00 |
| "     | 1, 1914 | "         | 4½% | 3,500 00 |
| "     | 1, 1914 | "         | 4½% | 5,000 00 |
| "     | 1, 1914 | "         | 4½% | 1,500 00 |
| "     | 1, 1914 | School    | 4 % | 3,250 00 |
| "     | 1, 1914 | Building  | 4½% | 5,500 00 |
| Sept. | 1, 1914 | Park      | 3½% | 2,000 00 |
| Dec.  | 1, 1914 | Municipal | 4 % | 1,500 00 |
| Mar.  | 1, 1915 | Teachers' | 4 % | 8,000 00 |
| "     | 1, 1915 | Sewer     | 4 % | 500 00   |
| July  | 1, 1915 | Street    | 4½% | 800 00   |
| "     | 1, 1915 | "         | 4½% | 2,000 00 |
| "     | 1, 1915 | "         | 4½% | 5,000 00 |
| "     | 1, 1915 | "         | 4½% | 1,500 00 |
| "     | 1, 1915 | School    | 4 % | 3,250 00 |
| "     | 1, 1915 | Building  | 4½% | 5,500 00 |
| Sept. | 1, 1915 | Park      | 3½% | 2,000 00 |
| Dec.  | 1, 1915 | Municipal | 4 % | 1,500 00 |
| Mar.  | 1, 1916 | Teachers' | 4 % | 5,000 00 |
| "     | 1, 1916 | Sewer     | 4 % | 500 00   |
| July  | 1, 1916 | Street    | 4½% | 800 00   |
| "     | 1, 1916 | "         | 4½% | 2,000 00 |
| "     | 1, 1916 | "         | 4½% | 5,000 00 |
| "     | 1, 1916 | "         | 4½% | 1,500 00 |
| "     | 1, 1916 | School    | 4 % | 3,250 00 |
| "     | 1, 1916 | Building  | 4½% | 5,500 00 |
| Sept. | 1, 1916 | Park      | 3½% | 2,000 00 |
| Dec.  | 1, 1916 | Municipal | 4 % | 1,000 00 |
| Mar.  | 1, 1917 | Teachers' | 4 % | 5,000 00 |
| "     | 1, 1917 | Sewer     | 4 % | 500 00   |
| July  | 1, 1917 | Street    | 4½% | 800 00   |
| "     | 1, 1917 | "         | 4½% | 2,000 00 |
| "     | 1, 1917 | "         | 4½% | 5,000 00 |
| "     | 1, 1917 | "         | 4½% | 1,500 00 |
| "     | 1, 1917 | School    | 4 % | 3,250 00 |
| "     | 1, 1917 | Building  | 4½% | 5,500 00 |
| Sept. | 1, 1917 | Park      | 3½% | 2,000 00 |
| Dec.  | 1, 1917 | Municipal | 4 % | 1,000 00 |
| Mar.  | 1, 1918 | Teachers' | 4 % | 5,000 00 |
| "     | 1, 1918 | Sewer     | 4 % | 500 00   |
| July  | 1, 1918 | Street    | 4½% | 800 00   |
| "     | 1, 1918 | "         | 4½% | 2,000 00 |
| "     | 1, 1918 | "         | 4½% | 5,000 00 |
| "     | 1, 1918 | "         | 4½% | 1,500 00 |
| "     | 1, 1918 | School    | 4 % | 3,250 00 |
| "     | 1, 1918 | Building  | 4½% | 5,500 00 |
| Sept. | 1, 1918 | Park      | 3½% | 2,000 00 |
| Dec.  | 1, 1918 | Municipal | 4 % | 1,000 00 |
| Mar.  | 1, 1919 | Teachers' | 4 % | 5,000 00 |
| "     | 1, 1919 | Sewer     | 4 % | 500 00   |

Amount carried forward ..... \$138,250 00



## City Funded Debt—Continued

|                                     |         |           |     |              |
|-------------------------------------|---------|-----------|-----|--------------|
| <i>Amount brought forward</i> ..... |         |           |     | \$138,250 00 |
| July                                | 1, 1919 | Street    | 4½% | 800 00       |
| "                                   | 1, 1919 | "         | 4½% | 2,000 00     |
| "                                   | 1, 1919 | "         | 4½% | 5,000 00     |
| "                                   | 1, 1919 | "         | 4½% | 1,500 00     |
| "                                   | 1, 1919 | School    | 4 % | 3,250 00     |
| "                                   | 1, 1919 | Building  | 4½% | 5,500 00     |
| Sept.                               | 1, 1919 | Park      | 3½% | 2,000 00     |
| Dec.                                | 1, 1919 | Municipal | 4 % | 1,000 00     |
| Mar.                                | 1, 1920 | Sewer     | 4 % | 500 00       |
| July                                | 1, 1920 | Street    | 4½% | 800 00       |
| "                                   | 1, 1920 | "         | 4½% | 2,000 00     |
| "                                   | 1, 1920 | "         | 4½% | 5,000 00     |
| "                                   | 1, 1920 | "         | 4½% | 1,500 00     |
| "                                   | 1, 1920 | School    | 4 % | 3,250 00     |
| "                                   | 1, 1920 | Building  | 4½% | 5,500 00     |
| Sept.                               | 1, 1920 | Park      | 3½% | 2,000 00     |
| Dec.                                | 1, 1920 | Municipal | 4 % | 1,000 00     |
| Mar.                                | 1, 1921 | Sewer     | 4 % | 500 00       |
| July                                | 1, 1921 | Street    | 4½% | 800 00       |
| "                                   | 1, 1921 | "         | 4½% | 2,000 00     |
| "                                   | 1, 1921 | "         | 4½% | 5,000 00     |
| "                                   | 1, 1921 | "         | 4½% | 1,500 00     |
| "                                   | 1, 1921 | School    | 4 % | 3,250 00     |
| "                                   | 1, 1921 | Building  | 4½% | 5,500 00     |
| Sept.                               | 1, 1921 | Park      | 3½% | 2,000 00     |
| Dec.                                | 1, 1922 | Municipal | 4 % | 1,000 00     |
| Mar.                                | 1, 1922 | Sewer     | 4 % | 500 00       |
| July                                | 1, 1922 | Street    | 4½% | 800 00       |
| "                                   | 1, 1922 | "         | 4½% | 5,000 00     |
| "                                   | 1, 1922 | "         | 4½% | 1,500 00     |
| "                                   | 1, 1922 | School    | 4 % | 3,250 00     |
| "                                   | 1, 1922 | Building  | 4½% | 5,500 00     |
| Sept.                               | 1, 1922 | Park      | 3½% | 2,000 00     |
| Dec.                                | 1, 1922 | Municipal | 4 % | 1,000 00     |
| Mar.                                | 1, 1923 | Sewer     | 4 % | 500 00       |
| July                                | 1, 1923 | Street    | 4½% | 800 00       |
| "                                   | 1, 1923 | "         | 4½% | 2,000 00     |
| "                                   | 1, 1923 | "         | 4½% | 3,700 00     |
| "                                   | 1, 1923 | "         | 4½% | 1,500 00     |
| "                                   | 1, 1923 | School    | 4 % | 3,250 00     |
| "                                   | 1, 1923 | Building  | 4½% | 5,500 00     |
| Sept.                               | 1, 1923 | Park      | 3½% | 2,000 00     |
| Dec.                                | 1, 1923 | Municipal | 4 % | 1,000 00     |
| Mar.                                | 1, 1924 | Sewer     | 4 % | 500 00       |
| July                                | 1, 1924 | Street    | 4½% | 2,000 00     |
| "                                   | 1, 1924 | School    | 4 % | 3,250 00     |
| Sept.                               | 1, 1924 | Park      | 3½% | 2,000 00     |
| Mar.                                | 1, 1925 | Sewer     | 4 % | 500 00       |
| July                                | 1, 1925 | Street    | 4½% | 2,000 00     |
| "                                   | 1, 1925 | School    | 4 % | 3,250 00     |
| Sept.                               | 1, 1925 | Park      | 3½% | 2,000 00     |
| Mar.                                | 1, 1926 | Sewer     | 4 % | 500 00       |
| <i>Amount carried forward</i> ..... |         |           |     | \$258,200 00 |



## City Funded Debt—Continued

|                                     |         |        |     |                    |
|-------------------------------------|---------|--------|-----|--------------------|
| <i>Amount brought forward</i> ..... |         |        |     | \$258,200 00       |
| July                                | 1, 1926 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1926 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1926 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1927 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1927 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1927 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1928 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1928 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1928 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1929 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1929 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1929 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1930 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1930 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1930 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1931 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1931 | School | 4 % | 3,250 00           |
| Sept                                | 1, 1931 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1932 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1932 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1932 | Park   | 3½% | 2,000 00           |
| July                                | 1, 1933 | Street | 4½% | 2,000 00           |
| "                                   | 1, 1933 | School | 4 % | 3,250 00           |
| Sept.                               | 1, 1933 | Park   | 3½% | 1,000 00           |
| "                                   | 1, 1934 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1935 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1936 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1937 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1938 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1939 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1940 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1941 | "      | 3½% | 1,000 00           |
| "                                   | 1, 1942 | "      | 3½% | 1,000 00           |
|                                     |         |        |     | <hr/> \$324,200 00 |

## The Bonded Water Debt matures as follows:

|       |         |               |             |
|-------|---------|---------------|-------------|
| May   | 1, 1914 | 3½% (Serial)  | \$12,500 00 |
| July  | 1, 1914 | 4 % (Serial)  | 2,000 00    |
| Sept. | 1, 1914 | 3½% (Serial)  | 1,000 00    |
| Nov.  | 1, 1914 | 4 % (Serial)  | 500 00      |
| Dec.  | 1, 1914 | 3½% (Serial)  | 1,000 00    |
| Feb.  | 1, 1915 | 4 % (Serial)  | 1,500 00    |
| Mar.  | 1, 1915 | 4 % (Serial)  | 500 00      |
| April | 1, 1915 | 4 % (20 year) | 200,000 00  |
| May   | 1, 1915 | 3½% (Serial)  | 12,500 00   |
| July  | 1, 1915 | 4 % (Serial)  | 2,000 00    |
| Aug.  | 1, 1915 | 4 % (Serial)  | 200,000 00  |
| Sept. | 1, 1915 | 3½% (Serial)  | 1,000 00    |
| Nov.  | 1, 1915 | 4 % (Serial)  | 500 00      |
| Dec.  | 1, 1915 | 3½% (Serial)  | 1,000 00    |

*Amount carried forward* ..... \$436,000 00

## City Funded Debt—Continued

## BONDED WATER DEBT—Continued

|                                     |                     |            |                |
|-------------------------------------|---------------------|------------|----------------|
| <i>Amount brought forward</i> ..... |                     |            | \$436,000 00   |
| Feb. 1, 1916.....                   | 4 % (Serial) .....  | 1,500 00   |                |
| Mar. 1, 1916.....                   | 4 % (Serial) .....  | 500 00     |                |
| April 1, 1916.....                  | 4 % (20 year) ..... | 100,000 00 |                |
| May 1, 1916.....                    | 3½% (Serial) .....  | 12,500 00  |                |
| July 1, 1916.....                   | 4 % (20 year) ..... | 200,000 00 |                |
| July 1, 1916.....                   | 4 % (Serial) .....  | 2,000 00   |                |
| Aug. 1, 1916.....                   | 4 % (20 year) ..... | 100,000 00 |                |
| Sept. 1, 1916.....                  | 3½% (Serial) .....  | 1,000 00   |                |
| Oct. 1, 1916.....                   | 4 % (20 year) ..... | 265,100 00 |                |
| Nov. 1, 1916.....                   | 4 % (Serial) .....  | 500 00     |                |
| Dec. 1, 1916.....                   | 3½% (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1917.....                   | 4 % (Serial) .....  | 1,500 00   |                |
| Mar. 1, 1917.....                   | 4 % (Serial) .....  | 500 00     |                |
| April 1, 1917.....                  | 3½% (20 year) ..... | 200,000 00 |                |
| May 1, 1917.....                    | 3½% (Serial) .....  | 12 500 00  |                |
| July 1, 1917.....                   | 3½% (20 year) ..... | 100,000 00 |                |
| July 1, 1917.....                   | 4 % (Serial) .....  | 2,000 00   |                |
| Sept. 1, 1917.....                  | 3½% (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1917.....                   | 3½% (20 year) ..... | 75,000 00  |                |
| Nov. 1, 1917.....                   | 4 % (Serial) .....  | 500 00     |                |
| Dec. 1, 1917.....                   | 3½% (20 year) ..... | 140,000 00 |                |
| Dec. 1, 1917.....                   | 3½% (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1918.....                   | 4 % (Serial) .....  | 1,500 00   |                |
| Mar. 1, 1918.....                   | 4 % (Serial) .....  | 500 00     |                |
| May 1, 1918.....                    | 3½% (Serial) .....  | 12,500 00  |                |
| May 2, 1918.....                    | 3½% (20 year) ..... | 50,000 00  |                |
| June 1, 1918.....                   | 3½% (20 year) ..... | 60,000 00  |                |
| July 1, 1918.....                   | 4 % (Serial) .....  | 2,000 00   |                |
| Sept. 1, 1918.....                  | 3½% (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1918.....                   | 3½% (20 year) ..... | 50 000 00  |                |
| Nov. 1, 1918.....                   | 4 % (Serial) .....  | 500 00     |                |
| Dec. 1, 1918.....                   | 3½% (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1919.....                   | 4 % (Serial) .....  | 1,500 00   |                |
| Mar. 1, 1919.....                   | 4 % (Serial) .....  | 500 00     |                |
| May 1, 1919.....                    | 3½% (Serial) .....  | 12,500 00  |                |
| July 1, 1919.....                   | 4 % (Serial) .....  | 2,000 00   |                |
| Sept. 1, 1919.....                  | 3½% (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1919.....                   | 3½% (20 year) ..... | 23,000 00  |                |
| Nov. 1, 1919.....                   | 4 % (Serial) .....  | 500 00     |                |
| Dec. 1, 1919.....                   | 3½% (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1920.....                   | 4 % (Serial) .....  | 1,500 00   |                |
| Mar. 1, 1920.....                   | 4 % (Serial) .....  | 500 00     |                |
| May 1, 1920.....                    | 3½% (Serial) .....  | 12,500 00  |                |
| July 1, 1920.....                   | 4 % (Serial) .....  | 2,000 00   |                |
| Sept. 1, 1920.....                  | 3½% (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1920.....                   | 3½% (20 year) ..... | 30,000 00  |                |
| Nov. 1, 1920.....                   | 4 % (Serial) .....  | 500 00     |                |
| Dec. 1, 1920.....                   | 3½% (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1921.....                   | 4 % (Serial) .....  | 1,500 00   |                |
| Mar. 1, 1921.....                   | 4 % (Serial) .....  | 500 00     |                |
| May 1, 1921.....                    | 3½% (Serial) .....  | 12,500 00  |                |
| July 1, 1921.....                   | 3½% (20 year) ..... | 30,000 00  |                |
| <i>Amount carried forward</i> ..... |                     |            | \$1,968,600 00 |

## City Funded Debt—Continued

## BONDED WATER DEBT—Continued

|                                     |                      |            |                |
|-------------------------------------|----------------------|------------|----------------|
| <i>Amount brought forward</i> ..... |                      |            | \$1,968,600 00 |
| July 1, 1921.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| Sept. 1, 1921.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1921.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1921.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1922.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1922.....                   | 4 % (Serial) .....   | 500 00     |                |
| May 1, 1922.....                    | 3½ % (Serial) .....  | 12,500 00  |                |
| July 1, 1922.....                   | 3½ % (20 year) ..... | 13,500 00  |                |
| July 1, 1922.....                   | 4 % (Serial) .....   | 2 000 00   |                |
| Sept. 1, 1922.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1922.....                   | 3½ % (20 year) ..... | 5,000 00   |                |
| Nov. 1, 1922.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1922.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1923.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1923.....                   | 4 % (Serial) .....   | 500 00     |                |
| May 1, 1923.....                    | 3½ % (Serial) .....  | 12,500 00  |                |
| July 1, 1923.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| Sept. 1, 1923.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1923.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1923.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1924.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1924.....                   | 4 % (Serial) .....   | 500 00     |                |
| April 1, 1924.....                  | 4 % (30 year) .....  | 300,000 00 |                |
| May 1, 1924.....                    | 3½ % (Serial) .....  | 12,500 00  |                |
| July 1, 1924.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| Sept. 1, 1924.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1924.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1924.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1925.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1925.....                   | 4 % (Serial) .....   | 500 00     |                |
| May 1, 1925.....                    | 3½ % (Serial) .....  | 12,500 00  |                |
| May 1, 1925.....                    | 3½ % (20 year) ..... | 46,000 00  |                |
| July 1, 1925.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| Sept. 1, 1925.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1925.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1925.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1926.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1926.....                   | 4 % (Serial) .....   | 500 00     |                |
| July 1, 1926.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| Sept. 1, 1926.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1926.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1926.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1927.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1927.....                   | 4 % (Serial) .....   | 500 00     |                |
| July 1, 1927.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| Sept. 1, 1927.....                  | 3½ % (Serial) .....  | 1,000 00   |                |
| Nov. 1, 1927.....                   | 4 % (Serial) .....   | 500 00     |                |
| Dec. 1, 1927.....                   | 3½ % (Serial) .....  | 1,000 00   |                |
| Feb. 1, 1928.....                   | 4 % (Serial) .....   | 1,500 00   |                |
| Mar. 1, 1928.....                   | 4 % (Serial) .....   | 500 00     |                |
| June 1, 1928.....                   | 4 % (20 year) .....  | 20,000 00  |                |
| July 1, 1928.....                   | 4 % (Serial) .....   | 2,000 00   |                |
| <i>Amount carried forward</i> ..... |                      |            | \$2,450,600 00 |



## City Funded Debt—Continued

## BONDED WATER DEBT—Concluded

Amount brought forward .....\$2,450,600 00

|                    |     |           |            |
|--------------------|-----|-----------|------------|
| Sept. 1, 1928..... | 3½% | (Serial)  | 1,000 00   |
| Nov. 1, 1928.....  | 4 % | (Serial)  | 500 00     |
| Dec. 1, 1928.....  | 3½% | (Serial)  | 1,000 00   |
| Feb. 1, 1929.....  | 4 % | (Serial)  | 1,500 00   |
| Mar. 1, 1929.....  | 4 % | (Serial)  | 500 00     |
| July 1, 1929.....  | 4 % | (Serial)  | 2,000 00   |
| Sept. 1, 1929..... | 3½% | (Serial)  | 1,000 00   |
| Nov. 1, 1929.....  | 4 % | (Serial)  | 500 00     |
| Dec. 1, 1929.....  | 3½% | (Serial)  | 1,000 00   |
| Jan. 1, 1930.....  | 3½% | (20 year) | 5,000 00   |
| Feb. 1, 1930.....  | 4 % | (Serial)  | 1,500 00   |
| Feb. 1, 1930.....  | 3½% | (20 year) | 5,000 00   |
| Mar. 1, 1930.....  | 4 % | (Serial)  | 500 00     |
| July 1, 1930.....  | 4 % | (Serial)  | 2,000 00   |
| Sept. 1, 1930..... | 3½% | (Serial)  | 1,000 00   |
| Nov. 1, 1930.....  | 4 % | (Serial)  | 500 00     |
| Dec. 1, 1930.....  | 3½% | (Serial)  | 1,000 00   |
| Feb. 1, 1931.....  | 4 % | (Serial)  | 500 00     |
| Mar. 1, 1931.....  | 4 % | (Serial)  | 500 00     |
| July 1, 1931.....  | 4 % | (Serial)  | 2,000 00   |
| Sept. 1, 1931..... | 3½% | (Serial)  | 1,000 00   |
| Nov. 1, 1931.....  | 4 % | (Serial)  | 500 00     |
| Dec. 1, 1931.....  | 3½% | (Serial)  | 1,000 00   |
| Feb. 1, 1932.....  | 4 % | (Serial)  | 500 00     |
| Mar. 1, 1932.....  | 4 % | (Serial)  | 500 00     |
| July 1, 1932.....  | 4½% | (Serial)  | 2,000 00   |
| Sept. 1, 1932..... | 3½% | (Serial)  | 1,000 00   |
| Nov. 1, 1932.....  | 4 % | (Serial)  | 500 00     |
| Dec. 1, 1932.....  | 3½% | (Serial)  | 1,000 00   |
| Feb. 1, 1933.....  | 4 % | (Serial)  | 500 00     |
| Mar. 1, 1933.....  | 4 % | (Serial)  | 500 00     |
| July 1, 1933.....  | 4 % | (Serial)  | 2,000 00   |
| Sept. 1, 1933..... | 3½% | (Serial)  | 1,000 00   |
| Nov. 1, 1933.....  | 4 % | (Serial)  | 500 00     |
| Dec. 1, 1933.....  | 3½% | (Serial)  | 1,000 00   |
| Sept. 1, 1934..... | 3½% | (Serial)  | 1,000 00   |
| Dec. 1, 1934.....  | 3½% | (Serial)  | 1,000 00   |
| Sept. 1, 1935..... | 3½% | (Serial)  | 1,000 00   |
| Dec. 1, 1935.....  | 3½% | (Serial)  | 1,000 00   |
| May 1, 1936.....   | 4 % | (30 year) | 280,000 00 |
| Sept. 1, 1936..... | 3½% | (Serial)  | 1,000 00   |
| June 1, 1937.....  | 4 % | (30 year) | 49,000 00  |
| July 1, 1937.....  | 4 % | (30 year) | 25,000 00  |
| Sept. 1, 1937..... | 3½% | (Serial)  | 1,000 00   |
| Aug. 1, 1938.....  | 4 % | (30 year) | 17,000 00  |
| May 1, 1941.....   | 3½% | (30 year) | 16,500 00  |
| Dec. 1, 1941.....  | 3½% | (30 year) | 10,000 00  |

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\$2,896 100 00

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City Funded Debt—Concluded

|                        | April 1, 1913  | April 1, 1914  | Decrease    | Increase     |
|------------------------|----------------|----------------|-------------|--------------|
| Funded Water Debt..... | \$2,912,600 00 | \$2,896,100 00 | \$16,500 00 |              |
| Sinking Funds.....     | 1,563,278 56   | 1,719,049 81   |             | \$155,771 25 |
| Net Water Debt.....    | \$1,349,321 44 | \$1,177,050 19 | 16,500 00   | \$155,771 25 |

RECAPITULATION

|  |                |                |
|--|----------------|----------------|
| Amount of City Loans upon which interest is at<br>4½ per cent. ....  | \$233,200 00   |                |
| Amount of City Loans upon which interest is at<br>4 per cent. ....   | 4,002,400 00   |                |
| Amount of City Loans upon which interest is at<br>3½ per cent. ....  | 4,704,900 00   |                |
| Amount of City Loans upon which interest is at<br>3 per cent. ....   | 100,000 00     |                |
|  |                | \$9,040,500 00 |
| Amount of Water Loans upon which interest is at<br>4 per cent. ....  | \$1,841,100 00 |                |
| Amount of Water Loans upon which interest is at<br>3½ per cent. .... | 1,055,000 00   |                |
|  |                | 2,896,100 00   |

Temporary Loans for the past ten years and interest upon the same:

| Year.     | Temporary<br>Loan. | Interest paid<br>upon Loan. | Year.     | Temporary<br>Loan. | Interest paid<br>upon Loan. |
|-----------|--------------------|-----------------------------|-----------|--------------------|-----------------------------|
| 1904..... | \$550,000          | \$8,548 37                  | 1909..... | \$760,000          | \$7,670 53                  |
| 1905..... | 575,000            | 8,829 92                    | 1910..... | 395,000            | 3,679 44                    |
| 1906..... | 413,000            | 9,314 60                    | 1911..... | 400,000            | 3,927 62                    |
| 1907..... | 720,000            | 13,794 10                   | 1912..... | 500,000            | 5,426 03                    |
| 1908..... | 495,000            | 9,175 71                    | 1913..... | 400,000            | 7,432 77                    |

ANNUITIES AND TRUST FUNDS

[ACTS 1904, CHAPTER 322]

AN ACT TO PROVIDE FOR THE AUDITING OR CERTAIN TRUST FUNDS  
AND ACCOUNTS

Be it enacted, etc., as follows:

SECTION 1. It shall be the duty of city and town auditors at least once every year, and so much oftener as they may deem it necessary, to audit the accounts of the trustees of any property, the principal or income of which, in whole or in part, was bequeathed or given in trust for the benefit of the inhabitants of the city or town or any part thereof, and to examine and estimate the funds, securities and evidences of property held by such trustees. City and town auditors shall include in their annual reports a report of such auditing and investigation; and if they discover any fraud or irregularity they shall immediately report the same to the mayor and treasurer of the city or to the selectmen and treasurer of the town.

Annuities and Trust Funds—Concluded

SECTION 2. It shall be the duty of the trustees designated in Section one hereof to give city and town auditors free access to their accounts, funds, securities and evidences of property; and any such trustee who refuses to exhibit his trust accounts, funds, securities and evidences as aforesaid shall be subject to a fine of not less than fifty nor more than two hundred dollars.

SECTION 3. This act shall be construed as applying only to property held in trust for public uses. [Approved May 9, 1904.]

Under the provisions of the foregoing Act, I hereby certify that I have examined the accounts, vouchers and securities belonging to the Trust Funds held for public uses, and find them correct and in excellent condition.

Attest:

CHARLES H. THURSTON, *City Auditor.*

April 1, 1914.

ANNUITIES

|                                    | Original Gift. | Annual Payment |
|------------------------------------|----------------|----------------|
| Daniel White Charity Annuity ..... | \$5,000        | \$300          |
| Dowse Institute " .....            | 10,000         | 600            |
| Sanders Temperance " .....         | 10,000         | 600            |
|                                    | \$25,000       | \$1,500        |

DANIEL WHITE CHARITY (\$10,360.00)

Established by Daniel White, of Charlestown, in his lifetime for the purchase and distribution of fuel among the deserving poor of Cambridge, his native city.

May 15, 1863, he appointed four trustees, with the Mayor of Cambridge, *ex officio*, to distribute not exceeding \$300 per year. The trustees fill any vacancies in their number, in case of death, etc. Ex-Mayor J. Warren Merrill added a bequest in cash and stocks to the value of \$5,360, thus making the principal \$10,360. The present permanent members are George S. Saunders, Walter F. Earle and George H. Howard, and the fund is invested by the trustees.

REPORT OF THE TREASURER OF THE DANIEL WHITE CHARITY FUND

|   |             |             |
|---|-------------|-------------|
| Receipts:                               |             |             |
| Amount of Fund, March 31, 1913 .....    |             | \$11,216 89 |
| Interest received on city notes .....   | \$500 00    |             |
| Interest received on bank balance ..... | 38 78       |             |
| Cash balance at beginning of year ..... | 856 89      |             |
|   | \$1,395 67  |             |
| Payments:                               |             |             |
| Paid for safe deposit box .....         | \$5 00      |             |
| Paid for coal for poor .....            | 634 29      |             |
| Cash balance at close of year .....     | 756 38      |             |
|   | \$1,395 67  |             |
| Principal .....                         | \$10,000 00 |             |
| Cash in principal .....                 | 360 00      |             |
| Cash balance in bank .....              | 756 38      |             |
|   | \$11,116 38 |             |
| Amount of Fund March 31, 1914 .....     |             | 11,116 38   |

## Annuities—Continued

## THE DOWSE INSTITUTE (\$10,000)

The executors of Thomas Dowse, under a discretionary power in his will, gave to the city, on June 31, 1858, the sum of ten thousand dollars for an annual course of lectures, the city agreeing to pay to the trustees of said institute interest thereon at the rate of six per cent. per annum. The trustees consist of three permanent members, with the Mayor and the President of the Common Council, for the time being. The original permanent members were appointed by the executors, and the board fills its own vacancies.

## REPORT OF THE TREASURER OF THE DOWSE INSTITUTE FUND

## Receipts:

|   |          |                  |
|---|----------|------------------|
| To bank balance .....   |          | \$242 24         |
| Received from city as interest .....                          | \$600 00 |                  |
| Received from sale of tickets .....                           | 248 75   |                  |
| Received from sale of stamps .....                            | 9 00     |                  |
| Received as interest on deposit with Cambridge Trust Co. .... | 1 79     |                  |
|   |          | <hr/> 859 54     |
|   |          | <hr/> \$1,101 78 |

## Payments:

|   |        |                  |
|---|--------|------------------|
| For moving piano .....                        | \$4 00 |                  |
| Royalties for use of play, The Molluscs ..... | 50 00  |                  |
| Expenses incurred in producing play .....     | 14 15  |                  |
| Industrial Secretary, Y. M. C. A. ....        | 75 00  |                  |
| Postage stamps .....                          | 30 00  |                  |
| Advertising .....                             | 25 00  |                  |
| Printing .....                                | 31 50  |                  |
| Herman Stark Lecture .....                    | 150 00 |                  |
| Thomas H. Cummings Lecture .....              | 50 00  |                  |
| Byron W. Reed .....                           | 40 00  |                  |
| Use of Cambridge Social Union Hall .....      | 95 00  |                  |
| Doorkeepers and ushers .....                  | 22 98  |                  |
| Use of lanterns .....                         | 22 10  |                  |
|   |        | <hr/> 609 73     |
| Balance in bank .....                         |        | 492 05           |
|   |        | <hr/> \$1,101 78 |

## THE SANDERS TEMPERANCE ANNUITY (\$10,000)

This sum was given to the City by the will of Charles Sanders, of Cambridge, who died April 7, 1864, for the support of a missionary to promote the cause of temperance. The trustees consist of the Mayor, President of the Board of Aldermen and President of the Common Council. The City

## THE HOPKINS FUND (£500)

Edward Hopkins died in London, England, in 1657 or 1658, leaving £500 to be used, upon the death of his widow, to aid a college and school in New England. The Court of Chancery gave it to Harvard College, and a school in Cambridge. One fourth of the net income is paid annually to the City for classical instruction in the Latin School. The trustees are a corporation established in Boston.



## Annuities—Concluded

## TREASURER'S REPORT OF HOPKINS FUND

|   |             |
|---|-------------|
| Amount received by City Treasurer June 14, 1911 ..... | \$1 145 36  |
| Interest accumulations on deposit .....               | 42 68       |
| Received from Treasurer of Hopkins Fund .....         | 779 95      |
|   | <hr/>       |
|   | \$1,967 99  |
| Paid to Clinton Ricker Prize .....                    | \$100 00    |
| Paid to Harold Schlaffhont .....                      | 100 00      |
| Paid to Grace Wardwell .....                          | 75 00       |
| Paid to Walter F. Durnan .....                        | 75 00       |
| Paid to Helen Getchell .....                          | 75 00       |
| Paid to School Department for tuition .....           | 144 00      |
|   | <hr/>       |
|   | \$569 00    |
| Balance, March 31, 1914, Harvard Trust Company ..     | <hr/>       |
|   | 1,398 99    |
|   | <hr/> <hr/> |

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1914.

## THE TRUST FUNDS

## CEMETERY FUND FOR PERPETUAL CARE OF LOTS

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the perpetual care of their lots therein. The fund is almost all invested in City of Cambridge registered bonds. First established in 1860.

|   |              |              |
|---|--------------|--------------|
| Amount of bonds in fund, April 1, 1913 .....  | \$99,950 00  |              |
| Amount of bonds purchased to March 31, 1914 ....                                      | 4,000 00     |              |
|   | <hr/>        |              |
| Amount of bonds in fund, April 1, 1914 .....  |              | \$103,950 00 |
| Cash on hand March 31, 1913 .....   | 1,304 87     |              |
| Cash received from proprietors of lots in Cambridge Cemetery for perpetual care ..... | 3,957 25     |              |
| Cash received for interest on investments .....                                       | 3,888 37     |              |
|   | <hr/>        | 9,150 49     |
| Cash paid for premiums on bonds purchased ....  |              |              |
| Cash paid to Cemetery Trustees for care of lots placed in perpetual care .....        | 3,858 81     |              |
| Cash paid for bonds purchased .....   | 3,951 25     |              |
| Cash paid for accrued interest .....  | 29 56        |              |
|   | <hr/>        |              |
| Balance of cash on hand, March 31, 1914.....  |              | 1,310 87     |
|   |              | <hr/>        |
|   |              | \$9,150 49   |
|   |              | <hr/> <hr/>  |
| Amount of bonds in fund, March 31, 1914.....  | \$103,950 00 |              |
| Amount of cash on hand, March 31, 1914.....   | 1,310 87     |              |
|   | <hr/>        |              |
| Funds for perpetual care.....   | \$105,008 87 | \$105,260 87 |
| Funds for deeds in trust.....   | 252 00       |              |
|   | <hr/>        | \$105,260 87 |
|   |              | <hr/> <hr/>  |



## The Trust Funds—Continued

## CEMETERY FUND: DEEDS IN TRUST

Held in trust by the City, comprising sums received from the proprietors of lots in Cambridge Cemetery for the furtherance of certain trusts mentioned in conveyances of lots to the City in trust.

The fund amounts to \$252, and was first established March 11, 1901.  
Included in investment of Perpetual Care Fund ..... \$252 00

## THE BRIDGE CHARITABLE FUND

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876), the amount of said fund came into the hands of the City. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one third of the income was to be added to the principal and two thirds paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen, and the President of the Common Council.

The City Treasurer is custodian of the Fund.

|  |             |
|--|-------------|
| Amount of Fund, March 31, 1913 .....               | \$2,546 38  |
| Interest to March 31, 1914 .....                   | \$101 60    |
| Two-thirds income paid to Overseers of the Poor .. | 67 73       |
| One-third income paid to Fund .....                | 33 87       |
|  | <hr/>       |
| Balance deposited in Central Trust Company .....   | \$2,580 25  |
|  | <hr/> <hr/> |

Two thirds of the income, amounting to \$67.73 was paid to the Overseers of the Poor, and the balance, \$33.87, was added to the principal, leaving a balance of \$2,580.25 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent. per annum.

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1914.

## CITIZENS' SUBSCRIPTION FUND (\$5,500)

In 1889, a committee of citizens raised by subscription a fund to enable the trustees to purchase a large number of books at the time the new public library building was opened. The unexpended balance (fifty-five hundred dollars), was invested and the income is used for the same purpose.

|   |             |
|---|-------------|
| Balance in bank, March 31, 1913 .....   | \$6 17      |
| Receipts .....  | 315 18      |
|   | <hr/>       |
|   | \$322 35    |
| Expenditures .....  | 189 71      |
|   | <hr/>       |
| Balance on deposit .....  | \$132 64    |
|   | <hr/>       |
| The principal is invested in Cambridge Sewer Bonds, Nos. 47<br>and 1150 ..... | \$5,500 00  |
|   | <hr/> <hr/> |

## The Trust Funds—Continued

## CUMMINGS LEGACY (\$2,000)

As provided in the will of Daniel P. Cummings who died May 3, 1889, the sum of two thousand dollars was paid over to the trustees of the Public Library, the annual income to be expended by said trustees in the purchase of non-sectarian books for the Public Library.

|  |         |                   |
|--|---------|-------------------|
| Balance on deposit, March 31, 1913 .....                     | \$44 35 |                   |
| Receipts .....   | 70 00   |                   |
|  |         | <u>\$114 35</u>   |
| Expended .....   |         | 5 40              |
|  |         | <u>\$108 95</u>   |
| Balance on deposit .....                                     |         | \$108 95          |
| The principal is invested in Cambridge Sewer Bonds, No. 1102 |         | <u>\$2,000 00</u> |

## FAY LEGACY (\$1,000)

In accordance with the provisions of the will of Isaac Fay, who died December 29, 1872, the sum of one thousand dollars was paid to the trustees of the Dana Library (now the Cambridge Public Library) for the time being, "which sum shall be safely invested by said trustees, and the income thereof appropriated to the purchase of books for said Library."

|   |         |                   |
|---|---------|-------------------|
| Balance on deposit, March 31, 1913 .....                                    | \$23 37 |                   |
| Receipts .....  | 35 00   |                   |
|   |         | <u>\$58 37</u>    |
| Expenditures .....  |         | 25 70             |
|   |         | <u>\$32 67</u>    |
| Balance on deposit .....  |         | \$32 67           |
| The principal is invested in a Cambridge schoolhouse bond,<br>No. 254 ..... |         | <u>\$1,000 00</u> |

## WILLIAM E. SAUNDERS FUND (\$7,521.91)

In accordance with the will of Abigail L. Prentiss, the residue, after the termination of certain annuities, was paid to the Trustees of the Cambridge Public Library, the annual income to be used for the purchase of books to be placed in the William E. Saunders alcove, and for the care of the same. This alcove is assigned to books on genealogy.

|  |         |                   |
|--|---------|-------------------|
| Balance on deposit, March 31, 1913 .....                       | \$79 38 |                   |
| Receipts to March 31, 1914 .....                               | 265 24  |                   |
|  |         | <u>\$344 62</u>   |
| Expenditures .....   |         | 102 83            |
|  |         | <u>\$241 79</u>   |
| Balance on deposit .....                                       |         | \$241 79          |
| The principal is invested in Cambridge Bonds, Nos. 544 and 545 |         | \$7,000 00        |
| Deposited in Cambridgeport Savings Bank .....                  |         | 521 91            |
|  |         | <u>\$7,521 91</u> |

## The Trust Funds—Continued

## JAMES A. WOOLSON FUND (\$5,000)

By the request of James A. Woolson, the sum of five thousand dollars was paid to the Trustees of the Cambridge Public Library, the income only to be used for the purchase of books. In each book purchased there is placed an appropriate book-plate.

|   |         |             |
|---|---------|-------------|
| Balance on deposit, March 31, 1913 .....                  | \$51 24 |             |
| Receipts to March 31, 1914 .....                          | 175 00  |             |
|   |         | <hr/>       |
| Expenditures .....  |         | \$226 24    |
|   |         | 52 71       |
|   |         | <hr/>       |
| Balance on deposit .....                                  |         | \$173 53    |
|   |         | <hr/>       |
| The principal is invested in Cambridge Bond No. 701 ..... |         | \$5,000 00  |
|   |         | <hr/> <hr/> |

## EDWARD H. WHORF FUND

|  |          |             |
|--|----------|-------------|
| Balance on deposit, March 31, 1913 .....   | \$302 75 |             |
| Receipts to March 31, 1914 .....   | 120 00   |             |
|  |          | <hr/>       |
| Expenditures .....   |          | \$422 75    |
|  |          | 147 51      |
|  |          | <hr/>       |
| Balance on deposit .....   |          | \$275 24    |
| The principal is invested in three American Telephone and Tele-<br>graph Company bonds, Nos. 9755, 9756 and 9757 ..... |          | \$3,000 00  |
|  |          | <hr/> <hr/> |

## WILLIAM PENN HARDING FUND

## (Library Report)

|                                      |         |             |
|--------------------------------------|---------|-------------|
| Balance on hand March 31, 1913 ..... | \$20 62 |             |
| Receipts to March 31, 1914 .....     | 40 40   |             |
|                                      |         | <hr/>       |
| Expenditures .....                   |         | \$61 02     |
|                                      |         | 29 35       |
|                                      |         | <hr/>       |
| Balance on hand .....                |         | \$31 67     |
|                                      |         | <hr/> <hr/> |

## WILLIAM PENN HARDING FUND

By a bequest to the City, on behalf of the Public Library, the sum of \$1,000, in accordance with the will of William Penn Harding, the money was turned over to the City Treasurer. The annual income shall be paid to the Trustees of the Public Library and is to be expended in the purchase of recent books on science, art or travel of a popular and instructive character. Said bequest shall be designated the William Penn Harding Fund, which designation shall be printed in all books so purchased.

## TREASURER'S REPORT OF THE WILLIAM PENN HARDING FUND

|   |            |
|---|------------|
| March 31, 1913—Deposited in East Cambridge Savings Bank ..  | \$1,000 00 |
| March 31, 1914—The interest on said fund, amounting to \$40.40,<br>was paid to the Trustees of the Public Library in accord-<br>ance with the provisions of the gift. |            |
| The passbook of the East Cambridge Savings Bank shows that<br>on March 31, 1914, the amount on deposit was .....  | \$1,000 00 |

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1914.



## The Trust Funds—Continued

## SARAH E. RUSSELL FUND (\$814.41)

As provided in the will of Sarah E. Russell, of Cambridge, who died October 6, 1897, the sum of eight hundred fourteen dollars and forty-one cents was paid to the City by the executors of the will, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse." Mrs. Russell was the widow of Hon. Charles Theodore Russell, and the mother of Hon. William E. Russell, both of whom served the City as Mayor.

|   |                 |
|---|-----------------|
| Amount of deposit, March 31, 1913 .....                       | \$814 41        |
| Interest to December 1, 1913 .....                            | 30 81           |
|   | <hr/>           |
|   | \$845 22        |
| Amount paid as per provision of bequest, December 23, 1913 .. | 30 81           |
|   | <hr/>           |
| Balance in Cambridgeport Savings Bank, March 31, 1914 .....   | <u>\$814 41</u> |

## TREASURER'S REPORT OF THE SARAH E. RUSSELL FUND

The amount of the bequest was \$814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations, amounting to \$32.88 for the year, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

TIMOTHY W. GOOD, *City Treasurer.*

March 31, 1914.

## TAILINGS ACCOUNT TRUST FUND

This fund consists of various amounts of money due on payrolls and sundry drafts, which have remained in the hands of the Treasurer awaiting payment to persons properly entitled to the same.

|   |                   |
|---|-------------------|
| The amount of the Fund, March 31, 1913 .....                                | \$3,181 59        |
| Interest on deposit to March 31, 1914 .....                                 | 81 50             |
| Addition to Fund, March 31, 1914 .....                                      | 1,268 88          |
|   | <hr/>             |
|   | \$4,531 95        |
| There has been paid out of the Fund during the year to sundry persons ..... | 71 19             |
|   | <hr/>             |
| March 31, 1914—Balance on deposit, Harvard Trust Company..                  | <u>\$4,460 76</u> |

TIMOTHY W. GOOD, *City Treasurer.*

## CITY AUDITOR'S STATEMENT OF PROVISIONS OF SECTION 1, CHAPTER 322 ACTS OF 1904.

Under the provisions of Section 1, Chapter 322, Acts of 1904, I hereby certify that I have this day examined the accounts, vouchers and securities belonging to the within Trust Funds, held for public use and find them to be correct and in excellent condition.

Attest:

CHARLES H. THURSTON, *City Auditor.*



## TAXES

The amount of taxes assessed by the Board of Assessors on the real and personal estates and polls of Cambridge, April 1, 1913, was as follows:

|                                    |                  |
|------------------------------------|------------------|
| Valuation of real estate .....     | \$101,155,100 00 |
| Valuation of personal estate ..... | 19,977,190 00    |
|                                    | <hr/>            |
|                                    | \$121,132,290 00 |

|  |                 |
|--|-----------------|
| Assessed at \$20.40 per \$1,000.....               | \$2,471,098 716 |
| 28,297 polls at \$2.00.....                        | 56,594 00       |
| Bank stock (non-resident separately assessed)..... | 4,141 404       |
|  | <hr/>           |
|  | \$2,531,834 12  |

The Tax is divided as follows:

|  |                |
|--|----------------|
| For city purposes* .....                         | \$1,949,565 62 |
| Non-resident bank stock assessed separately..... | 4,141 404      |
| Overlay .....                                    | 37,090 316     |
|  | <hr/>          |

\$1,990,797 340

|                          |            |
|--------------------------|------------|
| County Assessments ..... | 106,103 33 |
|--------------------------|------------|

State Assessments:

|   |              |
|---|--------------|
| State .....                               | \$210,320 00 |
| Sewerage .....                            | 111,944 92   |
| Parks .....                               | 60,733 78    |
| Charles River Basin .....                 | 17,066 17    |
| Grade Crossings .....                     | 2,080 00     |
| Alewife Brook .....                       | 4,788 13     |
| Smoke nuisance .....                      | 413 04       |
| Charles River Basin, Account Bridge ..... | 27,587 41    |

---

434,933 45

\$2,531,834 12

|  |              |
|--|--------------|
| Increase in real estate valuation..... | 3,828,800 00 |
| Increase in personal valuation .....   | 1,356,190 00 |

---

\$5,184,990 00

|   |        |
|---|--------|
| Increase in number of polls since last year, 197 polls at \$2.. | 394 00 |
|---|--------|

|  |                |
|--|----------------|
| Gain in valuation since last year..... | \$5,185,384 00 |
|--|----------------|

|                                 |                      |
|---------------------------------|----------------------|
| Number of houses in 1913 .....  | 14,283 $\frac{1}{3}$ |
| Number of horses assessed ..... | 3,203                |
| Number of cows assessed .....   | 40                   |
| Number of mules assessed .....  | 3                    |
| Number of swine assessed .....  | 40                   |

\*To meet the City expenses the income from various departments is added to this sum raised by taxation.

Statement of the valuations of the personal property and real estate of the City of Cambridge, with the number of polls, dwellings, and rate of taxation for the past twenty years:

| Year       | Polls  | Personal   | Real Estate | Total       | Dwellings  | Rate per \$1,000 |
|------------|--------|------------|-------------|-------------|------------|------------------|
| 1894 ..... | 22,172 | 16,658,320 | 60,877,300  | 77,535,620  | 12,262     | 15 80            |
| 1895 ..... | 22,781 | 16,607,360 | 64,303,700  | 80,911,060  | 12,305     | 15 70            |
| 1896 ..... | 23,847 | 15,914,995 | 67,835,100  | 83,750,095  | 12,723     | 15 10            |
| 1897 ..... | 24,407 | 16,302,545 | 70,339,200  | 86,641,745  | 13,217     | 17 50            |
| 1898 ..... | 24,628 | 16,642,990 | 72,908,100  | 89,551,090  | 13,473     | 16 40            |
| 1899 ..... | 24,995 | 16,991,995 | 74,550,800  | 91,542,795  | 13,588     | 17 10            |
| 1900 ..... | 25,117 | 17,865,230 | 76,600,700  | 94,465,930  | 13,713     | 16 90            |
| 1901 ..... | 25,306 | 17,648,575 | 78,568,300  | 96,216,875  | 13,846½    | 16 90            |
| 1902 ..... | 25,680 | 17,742,985 | 80,396,900  | 98,139,885  | 13,889 2-3 | 18 30            |
| 1903 ..... | 25,749 | 17,708,510 | 87,063,400  | 104,771,910 | 13,833     | 16 90            |
| 1904 ..... | 25,968 | 17,346,500 | 87,481,100  | 104,827,600 | 13,858     | 17 90            |
| 1905 ..... | 26,696 | 15,994,100 | 87,851,500  | 103,845,600 | 13,893     | 19 00            |
| 1906 ..... | 26,434 | 16,550,235 | 88,603,000  | 105,153,235 | 13,937½    | 18 60            |
| 1907 ..... | 26,064 | 17,773,990 | 89,235,300  | 107,009,290 | 14,018 1-5 | 18 80            |
| 1908 ..... | 25,815 | 16,854,775 | 90,026,300  | 106,881,075 | 13,969 5-6 | 20 10            |
| 1909 ..... | 25,898 | 16,118,635 | 90,839,500  | 106,958,135 | 14,010 5-6 | 21 00            |
| 1910 ..... | 26,660 | 18,774,935 | 92,021,800  | 110,796,735 | 13,150 1-3 | 20 10            |
| 1911 ..... | 26,810 | 17,409,635 | 94,171,600  | 111,581,235 | 14,131 1-3 | 19 90            |
| 1912 ..... | 28,110 | 18,621,000 | 97,326,300  | 115,947,300 | 14,191     | 20 40            |
| 1913 ..... | 28,297 | 19,977,190 | 101,155,100 | 121,132,290 | 14,283 1-3 | 20 40            |

Abatements upon taxes for the past twenty years, and amount of tax uncollected March 31, 1914:

| Year       | Total Tax      | Total Abatements | Amount of Tax uncollected March 31, 1913 |
|------------|----------------|------------------|--|
| 1894 ..... | \$1,278,899 72 | \$26,926 07      | .....                                    |
| 1895 ..... | 1,324,613 76   | 19,427 40        | .....                                    |
| 1896 ..... | 1,321,932 65   | 17,922 54        | .....                                    |
| 1897 ..... | 1,574,047 50   | 22,081 73        | .....                                    |
| 1898 ..... | 1,527,863 88   | 27,566 98        | .....                                    |
| 1899 ..... | 1,623,592 35   | 35,317 61        | .....                                    |
| 1900 ..... | 1,654,588 36   | 33,005 90        | .....                                    |
| 1901 ..... | 1,683,690 84   | 24,390 38        | .....                                    |
| 1902 ..... | 1,854,557 82   | 30,013 44        | .....                                    |
| 1903 ..... | 1,828,456 95   | 41,525 33        | .....                                    |
| 1904 ..... | 1,934,772 56   | 50,088 47        | .....                                    |
| 1905 ..... | 2,031,457 20   | 48,886 73        | .....                                    |
| 1906 ..... | 2,012,805 80   | 61,528 79        | .....                                    |
| 1907 ..... | 2,038,170 44   | 63,481 85        | .....                                    |
| 1908 ..... | 2,204,263 62   | 53,504 40        | .....                                    |
| 1909 ..... | 2,302,311 40   | 41,912 39        | \$27,275 30                              |
| 1910 ..... | 2,283,435 10   | 38,957 87        | 26,546 22                                |
| 1911 ..... | 2,274,086 57   | 39,989 62        | 24,416 94                                |
| 1912 ..... | 2,421,544 92   | 52,555 62        | 59,285 26                                |
| 1913 ..... | 2,527,692 72   | 40,414 61        | 325,379 25                               |

## ABATEMENT CERTIFICATES ALLOWED BY BOARD OF ASSESSORS

|                    | Real        | Personal    | Polls    | Collectors | Total       |
|--------------------|-------------|-------------|----------|------------|-------------|
| Taxes, 1909 .....  |             | \$525 00    |          | \$60 36    | \$585 36    |
| Taxes, 1910 .....  |             | 502 50      |          | 235 65     | 738 15      |
| Taxes, 1911 .....  | \$45 77     | 521 38      |          | 123 55     | 690 70      |
| Taxes, 1912 .....  | 3,086 52    | 3,064 08    | \$48 00  | 2,412 26   | 8,610 86    |
| Taxes, 1913 .....  | 20,673 24   | 18,902 60   | 614 00   | 28 93      | 40,218 77   |
| Street Watering .. |             |             |          |            | 114 62      |
| Moth Assessments.  |             |             |          |            | 12 08       |
|                    | \$23,805 03 | \$23,515 56 | \$662 00 | \$2,860 75 | \$50,970 54 |

The valuation of estates in this City for the years 1911, 1912 and 1913 are the same as originally made by the Board of Assessors during those years, and the same figures were reported by that Board to the Tax Commissioners for each of the years respectively. These valuations were subject to changes in each year, after such report was made, as shown by the following:

Net valuations of estates in the City of Cambridge, for the past three years, after adding the amounts of all supplementary warrants and deducting therefrom all abatements up to and including December 31, 1913:

| Year | Total Value   | Abatements  | Net Value     |
|------|---------------|-------------|---------------|
| 1911 | \$112,170,356 | \$1,713,069 | \$110,457,287 |
| 1912 | 117,348,836   | 2,145,540   | 115,203,296   |
| 1913 | 121,993,690   | 1,419,492   | 120,574,198   |
|      | \$351,512,882 | \$5,278,101 | \$346,234,781 |

Showing an average valuation for the years 1911, 1912 and 1913 of \$115,411,593.66.



## BORROWING CAPACITY

The average net valuation of the City of Cambridge for the  
years 1911, 1912 and 1913 .....\$115,411,593 66

This sum represents the amount upon which the limit of municipal indebtedness is fixed under the provisions of Section 12 of Chapter 719 of the Acts of 1913.

2½ per cent on same is ..... \$2,885,289 84  
The entire City Debt is..... \$9,040,500 00

Of this amount the following loans are not within  
the legal debt limit, being exempted by the  
following Acts of the Legislature:

## Cambridge Bridge Loan

Acts of 1898, Chapter 467 ..... \$1,640,000 00

## Brookline Bridge Approach

Acts of 1898, Chapter 467 ..... }  
Acts of 1904, Chapter 391 ..... } 25,000 00

## Commercial Avenue Bridge

Acts of 1903, Chapter 372 ..... 50,000 00

## Cambridge Bridge Special Loan:

Charles River Dam:

Acts of 1904, Chapter 158 ..... 28,000 00

## Clay Land Loan

Acts of 1896, Chapter 175 ..... 17,000 00

## Harvard Bridge Loan

Acts of 1887, Chapter 282 ..... }  
Acts of 1888, Chapter 73 ..... } 400,000 00  
Acts of 1891, Chapter 316 ..... }

## Park Loan

Acts of 1892, Chapter 341 ..... }  
Acts of 1893, Chapter 337 ..... }  
Acts of 1894, Chapter 89 ..... } 1,650,000 00  
Acts of 1897, Chapter 469 ..... }  
Acts of 1899, Chapter 221 ..... }  
Acts of 1912, Chapter 578 ..... }

## Sewer Loan

Acts of 1899, Chapter 473 ..... }  
Acts of 1899, Chapter 189 ..... } 399,000 00  
Acts of 1903, Chapter 383 ..... 267,000 00

## Hospital Loan

Acts of 1895, Chapter 99 ..... 150,000 00

## Metropolitan Park Assessment

Acts of 1902, Chapter 325 ..... 46,000 00

## City of Cambridge Loan

Acts of 1908, Chapter 367 ..... 400,000 00

## Playgrounds Loan

R. L., Chapter 27, Sect. 11 ..... 95,000 00

## Charles River Basin Assessment

Acts of 1911, Chapter 463 ..... 60,000 00

5,227,000 00

*Amounts carried forward* ..... \$3,813,500 00 \$2,885,289 84



## Borrowing Capacity—Concluded

Amounts brought forward ..... \$3,813,500 00 \$2,885,289 84

The entire Sinking Fund is ..... \$2,956,610 69

Of this amount there should be de-  
ducted on account of Exempted  
Loans as follows:

|   |              |
|---|--------------|
| Cambridge Bridge .....  | \$205,482 09 |
| Harvard Bridge .....  | 313,635 01   |
| Brookline Bridge .....  | 2,601 15     |
| Commercial Ave. Bridge .....                                    | 5,202 34     |
| Parks .....   | 506,950 40   |
| Clay Lands .....  | 14,642 12    |
| Improved Sewage .....   | 122,426 24   |
| Hospital .....  | 20,287 26    |
| Metropolitan Park As-<br>sessment .....                         | 13,270 76    |
| Cambridge Bridge Spec'l<br>Separate System of<br>Drainage ..... | 6,393 72     |
| City of Cambridge,<br>Acts 1908 .....                           | 32,848 29    |
| Cambridge Bridge,<br>B. E. R. ....                              | 193,556 62   |
| Playgrounds .....   | 257,500 00   |
| Charles River Basin ..  | 6,968 90     |
|   | 11,003 04    |

1,712,767 94

Net Sinking Fund .....

1,243,842 75

Net City Debt, March  
31, 1914 .....

2,569,657 25

Borrowing capacity for City purposes, March 31, 1914.....

\$315,632 59

1913

| Wards | Polls | Personal     | Resident Banks | Personal With Banks | Real Estate   | Total without Banks | Total With Banks |
|-------|-------|--------------|----------------|---------------------|---------------|---------------------|------------------|
| 1     | 1640  | \$1,957,900  | \$73,920       | \$2,031,820         | \$10,736,700  | \$12,694,600        | \$12,768,520     |
| 2     | 1771  | 684,600      |                | 684,600             | 3,867,400     | 4,552,000           | 4,552,000        |
| 3     | 3062  | 196,700      |                | 195,700             | 3,739,400     | 3,935,100           | 3,935,100        |
| 4     | 2748  | 1,717,700    |                | 1,717,700           | 8,063,600     | 9,781,300           | 9,781,300        |
| 5     | 2579  | 1,576,000    |                | 1,576,000           | 8,539,500     | 10,115,500          | 10,115,500       |
| 6     | 3838  | 1,863,800    |                | 1,863,800           | 13,561,200    | 15,425,000          | 15,425,000       |
| 7     | 3152  | 1,814,800    |                | 1,814,800           | 7,595,000     | 9,409,800           | 9,409,800        |
| 8     | 2200  | 2,676,600    | 98,070         | 2,676,600           | 12,935,200    | 15,611,800          | 15,611,800       |
| 9     | 2555  | 4,913,400    |                | 5,011,470           | 17,086,300    | 21,099,700          | 22,097,770       |
| 10    | 1973  | 1,954,500    |                | 1,954,500           | 8,471,000     | 10,425,500          | 10,425,500       |
| 11    | 2779  | 450,200      |                | 450,200             | 6,559,800     | 7,010,000           | 7,010,000        |
|       | 28297 | \$19,805,200 | \$171,990      | \$19,977,190        | \$101,155,100 | \$120,960,300       | \$121,132,290    |

| Ward     | Street Watering | Moths      |
|----------|-----------------|------------|
| 1 .....  | \$2,119.31      | \$7.00     |
| 2 .....  | 1,297.00        | 13.72      |
| 3 .....  | 1,700.60        | 26.32      |
| 4 .....  | 2,672.54        | 85.12      |
| 5 .....  | 2,605.72        | 145.08     |
| 6 .....  | 3,687.91        | 132.76     |
| 7 .....  | 3,160.12        | 198.08     |
| 8 .....  | 3,775.86        | 287.72     |
| 9 .....  | 5,900.80        | 519.37     |
| 10 ..... | 3,908.48        | 234.62     |
| 11 ..... | 3,727.66        | 202.79     |
|          | \$34,556.00     | \$1,852.58 |

| Wards        | Banks                                     | Residents | Non-Residents |
|--------------|---|-----------|---------------|
| 1 .....      | Lechmere National<br>Chas. River National | \$73,920  | \$91,080      |
| 9 .....      |   | 98,070    | 111,930       |
| Totals ..... |   | \$17,990  | \$203,010     |

WARRANTS

|   |                 |
|---|-----------------|
| City .....                                    | \$1,949,565.62  |
| County .....                                  | 106,103.33      |
| State .....                                   | 210,320.00      |
| Metropolitan Sewer .....                      | 111,944.92      |
| Metropolitan Parks .....                      | 60,733.78       |
| Grade Crossings .....                         | 2,080.00        |
| Charles River Basin .....                     | 17,066.17       |
| Charles River Basin on Account of Bridge..... | 27,587.41       |
| Alewife Brook, Etc. ....                      | 4,788.13        |
| Gas and Smoke .....                           | 413.04          |
| Total .....                                   | 2,490,602.40    |
| Overlay .....                                 | 37,090.316      |
| Total .....                                   | \$2,527,692.716 |

# SCHEDULE B

No. IX

---

## LIST OF CITY PROPERTY

AS FURNISHED BY

Executive Boards and Heads of Departments

IN

1 9 1 4

LAW DEPARTMENT

LOCATED AT CITY HALL OFFICE

|  |         |
|--|---------|
| 1 rolltop desk and chair .....           | \$25 00 |
| Revised Laws, Public Statutes, etc. .... | 15 00   |

LOCATED IN OFFICE IN BOSTON, ROOMS 541-2 TREMONT BUILDING

|  |          |
|--|----------|
| 1 Remington Premier typewriter .....   | 70 00    |
| 1 typewriter desk .....  | 10 00    |
| 1 Lang document filing cabinet .....   | 10 00    |
| 1 blank filing cabinet .....   | 25 00    |
| 1 Yawman-Erbe filing cabinet .....   | 50 00    |
| Massachusetts Digest, Dillon on Municipal Corporations, and<br>other law books ..... | 135 00   |
| 1 sectional bookcase .....   | 19 00    |
|  | <hr/>    |
|  | \$359 00 |
|  | <hr/>    |

PUBLIC PROPERTY DEPARTMENT

CITY BUILDINGS

|                   | Feet of<br>Land. | Purchase<br>of Land. | Erection of<br>Buildings. | Valuation<br>of Land. | Valuation of<br>Buildings. | Valuation<br>of<br>Furniture |
|-------------------|------------------|----------------------|---------------------------|-----------------------|----------------------------|------------------------------|
| City Hall.....    | 47,878           | 1888                 | 1888                      | \$95,000              | \$200,000                  | \$34,800                     |
| Brattle Sq. Bldg. | 16,153           | 1873                 | 1874                      | 24,000                | 60,000                     | 2,500                        |
| Central Sq. Bldg. | 13,028           | 1872                 | 1873                      | 10,500                | 50,000                     | 2,436                        |
| Station 3.....    | 4,220            | 1862                 | 1870                      | 1,200                 | 20,000                     | 800                          |
| Station 4.....    | 6,316            | 1872                 | 1873                      | 5,000                 | 5,300                      | 300                          |
|                   |                  |                      |                           | <hr/>                 | <hr/>                      | <hr/>                        |
|                   |                  |                      |                           | \$135,700             | \$335,300                  | \$40,836                     |

|   |            |
|---|------------|
| Voting booth, corner Cambridge and Hampshire<br>Streets ..... | \$500 00   |
| Five portable voting booths .....                             | 2,500 00   |
| Voting compartments and fixtures (500) .....                  | 2,500 00   |
|   | <hr/>      |
|   | \$5 500 00 |

PERSONAL PROPERTY

|                 |          |
|-----------------|----------|
| 1 horse .....   | \$150 00 |
| 3 robes .....   | 32 00    |
| Top buggy ..... | 25 00    |
| Sleigh .....    | 15 00    |
|                 | <hr/>    |
|                 | \$222 00 |
|                 | <hr/>    |



## CITY PROPERTY IN USE BY THE POLICE DEPARTMENT

## PERSONAL PROPERTY

|                         |          |                         |          |
|-------------------------|----------|-------------------------|----------|
| 15 rolltop desks .....  | \$150 00 | 60 chairs .....         | \$60 00  |
| 10 tables .....         | 20 00    | 9 clocks .....          | 15 00    |
| 2 settees .....         | 2 00     | 5 ice water tanks ...   | 35 00    |
| 4 rugs .....            | 10 00    | 15 inkstands .....      | 5 00     |
| 4 medicine cabinets ..  | 20 00    | 1 operating table and   |          |
| 3 bookcases .....       | 15 00    | chair .....             | 25 00    |
| 2 wardrobes .....       | 10 00    | 12 mirrors .....        | 10 00    |
| 4 umbrella stands ...   | 2 00     | 5 grappling irons ....  | 5 00     |
| 6 directories .....     | 24 00    | 2 American flags ....   | 10 00    |
| 2 safes .....           | 50 00    | 25 cuspidors .....      | 10 00    |
| 1 camera without lens   | 25 00    | 2 couches .....         | 10 00    |
| 2 washing boxes .....   | 2 00     | 1 camera stand .....    | 2 00     |
| Trays and graduates     | 4 00     | 1 Bertillon book .....  | 1 00     |
| 1 letter scale .....    | 1 00     | 1 fingerprint book ...  | 1 00     |
| 1 card index .....      | 50 00    | 1 rogues' gallery ....  | 50 00    |
| 1 copy press .....      | 5 00     | 1 typewriter .....      | 20 00    |
| 6 fire ropes .....      | 5 00     | 4 maps .....            | 1 50     |
| 6 oil cans .....        | 2 50     | 13 beds and clothing .. | 150 00   |
| 3 wagons at \$350 ....  | 1,050 00 | 11 pair handcuffs ..... | 25 00    |
| 1 old wagon .....       | 50 00    | 1 pair leg irons .....  | 5 00     |
| 1 ambulance .....       | 50 00    | 1 van .....             | 100 00   |
| 6 harnesses .....       | 60 00    | 5 horses .....          | 1,000 00 |
| 5 horse blankets .....  | 5 00     | 1 extra collar .....    | 5 00     |
| 6 stable forks .....    | 6 00     | 23 galvanized cans ...  | 20 00    |
| 3 shovels .....         | 1 50     | 9 pails .....           | 2 25     |
| 2 grain chests .....    | 10 00    | 3 wagon jacks .....     | 3 00     |
| 5 horse brushes .....   | 1 00     | 75 feet rubber hose ... | 5 00     |
| 1 dictionary .....      | 4 00     | 5 horse combs .....     | 1 00     |
| 1 private telephone ..  | 200 00   | Law books .....         | 50 00    |
| 145 revolvers .....     | 1,450 00 | 150 police belts .....  | 100 00   |
| 160 badges .....        | 80 00    | 150 Rules & Regulations | 37 50    |
| 160 diaries .....       | 80 00    | 27 lanterns .....       | 13 50    |
| 3 straight jackets .... | 6 00     | 2 electric desk lamps   | 5 00     |
| 5 bicycles .....        | 40 00    | 1 saddle .....          | 5 00     |
| 3 storm windows ....    | 3 00     | 8 waste baskets .....   | 2 00     |
| Total .....             |          | \$5,283 75              |          |

# FIRE DEPARTMENT

## REAL ESTATE

| Buildings          | Location                              | Land Purchased | Erection of Buildings | Land Sq. Feet | Assessed Value |           |
|--------------------|---------------------------------------|----------------|-----------------------|---------------|----------------|-----------|
|                    |                                       |                |                       |               | Land           | Buildings |
| Engine House No. 1 | 108 Mt. Auburn St. }                  | .....          | .....                 | In City       | building       | schedule  |
| Ladder House No. 1 | Eliot Square ..... }                  |                |                       |               |                |           |
| Engine House No. 2 | { 384-394 Mass. Ave. }                | Owned by       |                       |               |                |           |
| Ladder House No. 3 |                                       | City           | 1893                  | 10,000        | \$10,000       | \$26,000  |
| Engine House No. 3 | 35 Third Street.....                  | 1895           | 1895                  | 10,100        | 5,500          | 17,000    |
| Engine House No. 4 | 2029 Mass. Avenue...                  | 1896           | 1896                  | 9,532         | 9,500          | 23,000    |
| Engine House No. 5 | Inman Square .....                    | 1874           | 1874                  | 6,000         | 5,000          | 10,000    |
| Engine House No. 6 | 176 River Street.....                 | 1890           | 1890-1891             | 4,994         | 2,500          | 12,000    |
| Engine House No. 7 | 350 Main Street.....                  | Owned by       |                       |               |                |           |
| Chemical Engine    |                                       | City           | 1894-1895             | 9,400         | 7,300          | 12,000    |
| House No. 1.....   | 5 Western Avenue...                   | .....          | .....                 | In City       | building       | schedule  |
| Chemical Engine    |                                       |                |                       |               |                |           |
| House No. 2.....   | 167 Lexington Avenue                  | 1893           | 1894                  | 15,262        | 4,000          | 16,000    |
| Ladder House No. 2 | 276 Portland Street..                 | Owned by       |                       |               |                |           |
| Engine House No. 8 | Junction of Sherman and Garden Street | City           | 1887                  | 11,931        | 3,000          | 12,000    |
|                    |                                       | 1903           | 1904 19 5             | 10,380        | 2,800          | 30,000    |
|                    |                                       |                |                       |               | \$49,600       | \$158,500 |

## PERSONAL PROPERTY

Estimated Value, March 31, 1913

|                          |             |             |
|--------------------------|-------------|-------------|
| Apparatus .....          | \$72,300 00 |             |
| Bedding, etc. ....       | 5,620 00    |             |
| Hardware and tools ..... | 875 00      |             |
| Horses and harness ..... | 17,200 00   |             |
| Miscellaneous .....      | 1,100 00    |             |
|                          | <hr/>       | \$98,195 00 |

# FIRE ALARM AND POLICE TELEGRAPH

## ELECTRICAL DEPARTMENT, WIRE ACCOUNT

## EQUIPMENT

|  |             |
|--|-------------|
| Fire alarm apparatus and machinery .....       | \$11,300 00 |
| Fire alarm and police telegraph circuits ..... | 8,500 00    |
| 119 fire alarm boxes .....                     | 9,365 00    |
| Police signal apparatus and machinery .....    | 4,450 00    |
| 93 police boxes .....                          | 9,950 00    |
| Police signal reserve apparatus .....          | 150 00      |
| Testing instruments .....                      | 250 00      |
| Tools .....                                    | 250 00      |
| Stock on hand .....                            | 200 00      |
| Horses, wagons and harnesses .....             | 300 00      |
| Building in Corbett School yard .....          | 300 00      |
| Automobile .....                               | 150 00      |
|  | <hr/>       |
|  | \$45,165 00 |

HEALTH DEPARTMENT

REAL ESTATE

| Number | Street           | Houses | Sheds | Value of Buildings | Value of Land | Total Value | Area           | REMARKS                                |
|--------|------------------|--------|-------|--------------------|---------------|-------------|----------------|--|
| 59     | Reservoir        | 1      | ...   | \$3,600            | \$8,300       | \$11,900    | sq. ft. 16,624 | Taken by Board of Health, Nov. 2, 1899 |
| 47     | New.....         | ...    | ...   | .....              | 600           | 600         | sq. ft. 10,800 | " " " " " Nov. 21, 1901                |
| 51     | New.....         | ...    | ...   | .....              | 900           | 900         | sq. ft. 13,980 | " " " " " Oct. 25, 1901                |
| 67     | New.....         | ...    | ...   | .....              | 300           | 300         | sq. ft. 6,140  | " " " " " Mar. 24, 1902                |
|        | Concord Ave..... | ...    | ...   | 12,300             | 4,500         | 16,800      | acres 7.48     | Feb. 8, 1902                           |
|        |                  |        |       |                    |               |             |                | Mar. 24, 1902                          |
|        |                  |        |       |                    |               |             |                | Dec. 28, 1901                          |
|        |                  |        |       | \$15,900           | \$14,600      | \$30,500    |                |  |

PERSONAL PROPERTY

In Office:

|                                      |          |          |
|--------------------------------------|----------|----------|
| 4 desks and desk chair .....         | \$135 00 |          |
| Card cabinets and letter files ..... | 22 50    |          |
| Dictionary and 3 atlases .....       | 30 00    |          |
| Typewriting machine and desk .....   | 40 00    |          |
| Stationery and sundries .....        | 125 00   |          |
|                                      |          | \$352 50 |

In Laboratory:

|   |         |        |
|---|---------|--------|
| Microscope .....                              | \$54 00 |        |
| Incubator and thermo-regulator .....          | 35 00   |        |
| Sterilizing oven .....                        | 2 25    |        |
| Centrifuge .....                              | 22 50   |        |
| Test tubes .....                              | 10 00   |        |
| Diphtheria sputum and typhoid outfits .....   | 25 00   |        |
| Laboratory supplies .....                     | 15 00   |        |
| Cards, card cabinet, stamps and stamp rack .. | 38 50   |        |
|   |         | 202 25 |

At Stable:

|   |          |          |
|---|----------|----------|
| Horse .....                               | \$100 00 |          |
| Ambulance .....                           | 582 00   |          |
| Van .....                                 | 90 00    |          |
| Buggies and sleigh .....                  | 215 00   |          |
| Harnesses .....                           | 90 00    |          |
| Blankets and horse covers .....           | 16 50    |          |
| Ambulance blankets .....                  | 36 00    |          |
| Disinfecting apparatus and materials..... | 150 00   |          |
|   |          | 1,279 50 |

|                              |            |
|------------------------------|------------|
| Amount carried forward ..... | \$1,834 25 |
|------------------------------|------------|



## Health Department—Continued

## PERSONAL PROPERTY—Concluded

|   |            |            |
|---|------------|------------|
| <i>Amount brought forward</i> .....     |            | \$1,834 25 |
| At Diphtheria Hospital:                 |            |            |
| Linen and bedding .....                 | \$250 00   |            |
| Instruments and nursing utensils .....  | 80 00      |            |
| Dishes and kitchen utensils .....       | 69 00      |            |
| General furnishings .....               | 427 00     |            |
|   |            | 826 00     |
| At Contagious Hospital, Concord Avenue: |            |            |
| Linen and bedding .....                 | \$1,096 00 |            |
| Instruments and nursing utensils .....  | 125 00     |            |
| Dishes and kitchen utensils .....       | 200 00     |            |
| General furnishings .....               | 1,100 00   |            |
|   |            | 2,521 00   |
|   |            | \$5,181 25 |

## INSPECTOR OF MILK AND VINEGAR DEPARTMENT

## PERSONAL PROPERTY

|  |          |          |
|--|----------|----------|
| 16 platinum dishes .....                       | \$286 72 |          |
| 1 cream seal .....                             | 7 50     |          |
| 1 drying oven .....                            | 6 00     |          |
| 1 Zeiss refractometer .....                    | 75 00    |          |
| Chemicals and glassware .....                  | 25 00    |          |
| Water bath .....                               | 22 00    |          |
| Electric centrifuge .....                      | 88 00    |          |
| Polariscope .....                              | 55 00    |          |
| Analytical balance and weights .....           | 60 00    |          |
| Muffle furnace .....                           | 5 00     |          |
| Busner stand .....                             | 15 00    |          |
| Office furniture .....                         | 50 00    |          |
| Discarded apparatus .....                      | 20 00    |          |
| 1 high-speed centrifuge .....                  | 43 50    |          |
| 1 autoclave and fittings .....                 | 115 00   |          |
| 1 milk-collecting outfit .....                 | 15 00    |          |
| Apparatus for plating bacteria:                |          |          |
| 6 tube holders .....                           | \$6 00   |          |
| 1 bath for melting agar .....                  | 2 00     |          |
| 1 bath, water-jacketed, for melting agar ..... | 5 00     |          |
| 2 racks for test tubes .....                   | 3 00     |          |
| 2 Petri dish holders .....                     | 2 00     |          |
|  |          | 18 00    |
| Petri dishes and glassware:                    |          |          |
| 12 doz. pipettes .....                         | \$10 00  |          |
| 6 doz. Petri dishes .....                      | 6 50     |          |
| 6 doz. Petri covers .....                      | 3 50     |          |
| Counting glass .....                           | 1 00     |          |
|  |          | 21 00    |
| Intermission refractometer .....               | 100 00   |          |
|  |          | \$997 72 |



## THE MODIFIED MILK ENTERPRISE

|  |          |
|--|----------|
| 9 stock pots .....                         | \$19 52  |
| 30 galvanized iron racks .....             | 97 73    |
| 28 wooden cases .....                      | 20 59    |
| 5 baby scales .....                        | 10 85    |
| 2 gas stoves .....                         | 4 50     |
| 3 boilers .....                            | 13 50    |
| 1 bottle filler .....                      | 26 85    |
| 7 tables .....                             | 7 00     |
| Stoppers and bottles .....                 | 86 40    |
| Index cards .....                          | 3 00     |
| 1 000 pamphlets .....                      | 16 45    |
| Signs .....                                | 10 00    |
| Barrel .....                               | 1 75     |
| 1 galvanized iron sterilizing closet ..... | 54 00    |
|  | <hr/>    |
|  | \$372 14 |

## CAMBRIDGE CEMETERY

|                            |              |
|----------------------------|--------------|
| 57,576 acres of land ..... | \$92,000 00  |
| 1 office building .....    | 2,500 00     |
| 1 house .....              | 2,500 00     |
| 1 stable and shed .....    | 1,000 00     |
| Personal property .....    | 3,500 00     |
|                            | <hr/>        |
|                            | \$101,500 00 |

## SEALER OF WEIGHTS AND MEASURES DEPARTMENT

## INVENTORY OF PROPERTY

## STANDARDS FURNISHED BY COMMONWEALTH

- 1 balance, 5 grains to 100 pounds.
- 1 set (5) avoirdupois weights, 50, 25, 20, 10, 5 pounds.
- 1 set (11) avoirdupois weights, 4 pounds to 1-16 ounce.
- 1 kilogramme in case.
- 1 steel meter in case.
- 1 brass yard measure.
- 1 set (5) iron dry measures,  $\frac{1}{2}$  bushel to 1 quart.
- 1 set (6) iron liquid measures, 1 gallon to 1 gill.

|                              |          |
|------------------------------|----------|
| Office furniture .....       | \$200 00 |
| 1 horse .....                | 200 00   |
| 1 express wagon .....        | 100 00   |
| 1 light wagon .....          | 85 00    |
| 1 pung .....                 | 23 00    |
| 2 harnesses .....            | 70 00    |
| 1 plush robe .....           | 6 00     |
| 1 stable blanket .....       | 2 00     |
| 1 rain blanket .....         | 2 00     |
| 1 woolen blanket .....       | 8 00     |
| 1 halter .....               | 75       |
|                              | <hr/>    |
| Amount carried forward ..... | \$696 75 |

|  |            |
|--|------------|
| Amount brought forward .....                                 | \$696 75   |
| 1 hitch weight .....   | 50         |
| 1 wagon scale at Lechmere Square .....                       | 400 00     |
| 1 wagon scale at Porter Road .....                           | 350 00     |
| 1 platform scale, ½ lb. to 2,500 lbs. ....                   | 75 00      |
| 1 folding platform scale, ¼ lb. to 600 lbs. ....             | 30 00      |
| 1 spring scale, 1 lb. to 125 lbs. ....                       | 1 00       |
| 1 balance, 1-10 milligramme to 500 grammes .....             | 35 00      |
| 1 balance, 1-50 grain to 8 oz. ....                          | 15 00      |
| 1 sealer's balance, 1 grain to 8 lbs. ....                   | 50 00      |
| 2 sealers' trip scales (not used) .....                      | 5 00       |
| 2 sets avoirdupois weights (19), 4 lbs. to 1-8 oz. ....      | 10 00      |
| 1 set troy weights (9) 16 oz. to 1-8 oz. ....                | 3 00       |
| 1 set metric weights (13), 1 kilo to 1 gramme .....          | 5 00       |
| 5 boxes miscellaneous weights (not standardized) .....       | 10 00      |
| 1 set iron weights (3), 25, 10, 5 lbs. ....                  | 5 00       |
| 40 50-lb. weights .....                                      | 100 00     |
| 3 glass graduates .....                                      | 1 00       |
| 1 set copper dry measures (5), ½ bushel to 1 quart .....     | 45 00      |
| 1 set copper liquid measures, 1 gallon to 1 pint .....       | 7 00       |
| 1 set brass dry measures (3), 1 quart to ½ pint .....        | 5 00       |
| 2 sets copper liquid measures (14), 1 gallon to 1 gill ..... | 30 00      |
| 1 steel surveyor's tape .....                                | 10 00      |
| 1 iron truck .....   | 5 00       |
| Miscellaneous tools .....                                    | 50 00      |
| 1 branding furnace .....                                     | 5 00       |
| 1 set brands .....   | 3 00       |
| 2 sets weights of precision .....                            | 27 00      |
| 1-5 gallon measure .....                                     | 15 00      |
| Inside caliper .....   | 3 50       |
| 1 yard measure .....   | 1 50       |
| 1 sealer's balance, 1 grain to 100 lbs. ....                 | 150 00     |
| 1 leather tool bag .....                                     | 7 00       |
| 1 arch .....   | 2 00       |
| <hr/>  |            |
| 1 balance scale and weight .....                             | \$2,150 25 |
|  | 88 69      |
| <hr/>  |            |
|  | \$2,246 94 |

CITY HOME ESTATE

Thirty-two acres land bought August 7, 1849.

Present City Home completed and placed under the care of the Overseers of the Poor, April 3, 1851.

|                                     |             |
|-------------------------------------|-------------|
| Land cost .....                     | \$12,000 00 |
| City Home cost .....                | 32,970 69   |
| Fences, furniture, etc., cost ..... | 3,000 00    |
| <hr/>                               |             |
| Total .....                         | \$47,970 69 |

|  |          |
|--|----------|
| Hospital cottage on City Home grounds built in 1886, moved and rebuilt in 1901, cost ..... | 2,800 00 |
| Two-story brick building erected 1888, cost .....  | 5,600 00 |

## City Home Estate—Concluded

|  |    |          |       |
|--|----|----------|-------|
| Land situated in Cambridge .....                     | 14 | 242-1000 | acres |
| Land situated in Somerville (1½ taken by State) .... | 6  | 454-1000 | "     |
| Lands (salable) on plan of April 10, 1884:           |    |          |       |
| 30 lots of 5,000 feet each (in Somerville) .....     | 3  | 443-1000 | "     |

Total acres of land .....24 139-1000 acres

About seven acres of City Home land lying south of Broadway in West Somerville have been sold for house lots. The remaining lots (30) contain 150,000 square feet, and have been held at a valuation of four cents per square foot, but at the present time are assessed for about ten cents.

The valuation of the City Home real estate by the assessors is:

|                               |          |    |
|-------------------------------|----------|----|
| Land in Cambridge .....       | \$21,000 | 00 |
| Buildings in Cambridge .....  | 25,000   | 00 |
| Land in Somerville .....      | 26,150   | 00 |
| Buildings in Somerville ..... | 3,200    | 00 |
| Total .....                   | \$75,350 | 00 |

## INVENTORY OF PERSONAL PROPERTY AT CITY HOME

April 1, 1914

|  |          |    |
|--|----------|----|
| Bookkeeping account books, stationery, etc. ....   | \$150    | 00 |
| Drugs, medicines and hospital supplies .....   | 400      | 00 |
| Dry goods, clothing, bedding, furniture, carpets, etc.....   | 5,000    | 00 |
| Groceries and provisions .....   | 250      | 00 |
| Farm and Stable:   |          |    |
| 2 horses, 120 fowls, 630 hot bed sashes, 260 straw mats, 230 shutters, 5 wagons, 1 pung, 1 carriage, 1 sleigh, 5 harnesses, farming implements, tools, fertilizer, etc. .... | 3,600    | 00 |
| Offal Department:  |          |    |
| 23 wagons, 21 pungs, 26 harnesses, 25 horses, 80 blankets, etc.  | 8,900    | 00 |
| Outside Aid:   |          |    |
| 2 wagons, 2 pungs, 1 harness .....   | 400      | 00 |
| Groceries .....  | 300      | 00 |
| Total .....  | \$19,000 | 00 |

INVENTORY OF PERSONAL PROPERTY AT OVERSEERS' OFFICE,  
CENTRAL SQUARE BUILDING, April 1, 1914.

|  |       |    |
|--|-------|----|
| Office furniture, filing cases, bookcases, typewriter, books, stationery, etc. ....              | \$600 | 00 |
| City Physician's office—Instruments, microscope, operating table, furniture, medicine, etc. .... | 350   | 00 |
| Total .....  | \$950 | 00 |



ENGINEERING DEPARTMENT

PERSONAL PROPERTY

|   |              |
|---|--------------|
| 6 books, at \$3 .....   | \$18 00      |
| 41 vols. engineering papers, at \$2.50 .....                        | 102 50       |
| 5 logarithm books .....   | 5 00         |
| 1 pantagraph .....  | 10 00        |
| 2 planimeters, at \$20 .....  | 40 00        |
| 1 neostyle .....  | 5 00         |
| 2 numbering machines, at \$5 .....                                  | 10 00        |
| 1 typewriter .....  | 75 00        |
| Drawing instruments, pens, compasses, etc. ....                     | 50 00        |
| Drawing materials and paper .....                                   | 25 00        |
| Wye level .....   | 50 00        |
| Dumpy level, \$40; hand level, \$5 .....                            | 45 00        |
| 2 transits, at \$100 .....  | 200 00       |
| Level, line and sounding rods .....                                 | 45 00        |
| 5 tapes .....   | 10 00        |
| Testing pans, moulds, etc. ....                                     | 10 00        |
| Testing machinery .....   | 50 00        |
| Electric motor .....  | 4 50         |
| Furniture in office .....   | 300 00       |
| Photograph outfit .....   | 50 00        |
| Rain gauges, standard and self-recording .....                      | 75 00        |
| Plans (estimated value), 12,049 at \$10 .....                       | 120,490 00   |
| 466 field, survey, line and level books, estimated value \$20 ..... | 9,320 00     |
| 60 house books, estimated value \$10 .....                          | 600 00       |
| Total .....   | \$131,590 00 |

SEWER DEPARTMENT

REAL ESTATE

| Location       | Buildings. | Erection<br>of<br>Buildings. | Purchase<br>of<br>Land. | Feet<br>of<br>Land | Assessors'<br>Valuation<br>of Land. | Assessors'<br>Valuation<br>of<br>Buildings. | Total.   |
|----------------|------------|------------------------------|-------------------------|--------------------|-------------------------------------|---|----------|
| Pilgrim Street | Stable...  | 1887                         |                         |                    |                                     |   |          |
| " "            | Sheds ...  | 1881                         |                         |                    |                                     |   |          |
| " "            |            | 1884                         |                         |                    |                                     |   |          |
| " "            |            | 1892                         |                         |                    |                                     |   |          |
| " "            | House...   | 1890                         | 1868                    | 23,707             | \$5,900 00                          | \$5,600 00                                  | \$11,500 |

SEWERS

151,289 miles of sewers, which have cost to construct .....\$2,338,455 42

PERSONAL PROPERTY

|                              |          |
|------------------------------|----------|
| 2 buggles .....              | \$120 00 |
| 4 carts .....                | 400 00   |
| Amount carried forward ..... | \$520 00 |



## Sewer Department—Continued

|  |                   |
|--|-------------------|
| <i>Amount brought forward</i> .....                      | \$520 00          |
| 1 cart .....   | 50 00             |
| 1 tip cart (4 wheel) .....                               | 25 00             |
| 2 tip carts .....  | 50 00             |
| 1 wagon .....  | 30 00             |
| 1 dray .....   | 50 00             |
| 1 derrick (4 leg) .....                                  | 10 00             |
| 1 hoisting engine .....                                  | 200 00            |
| 1 gasoline engine .....                                  | 75 00             |
| 8 sets harness and horse clothing .....                  | 120 00            |
| 3 horses .....   | 600 00            |
| 1 pile driver and 2 hammers .....                        | 100 00            |
| 4 hand pumps and hose .....                              | 100 00            |
| 1 centrifugal pump .....                                 | 20 00             |
| 1 street roller (horse) .....                            | 75 00             |
| Rubber goods (miscellaneous) .....                       | 50 00             |
| Rubber boots .....                                       | 30 00             |
| 1 sewer cleaning machine "Healy" .....                   | 300 00            |
| 3 sleighs .....  | 50 00             |
| Tool houses, etc. ....                                   | 60 00             |
| 1 trench machine "Carson" .....                          | 50 00             |
| 1 automobile, "Velie" 1910 model .....                   | 200 00            |
| Lanterns and globes .....                                | 15 00             |
| Tools and implements .....                               | 500 00            |
| Stock on hand, bricks, castings, lumber, pipe, etc. .... | 190 00            |
| <b>Total</b> .....                                       | <b>\$3,470 00</b> |

## INVENTORY OF REAL AND PERSONAL PROPERTY

| Location.         | Buildings and Land.   | Erection<br>of<br>Buildings. | Purchase<br>of<br>Land. | Feet<br>of<br>Land. | Valuation<br>of<br>Land. | Valuation<br>of<br>Buildings. |
|-------------------|---|------------------------------|-------------------------|---------------------|--------------------------|-------------------------------|
| Raymond St ....   | City Yard and Stable,<br>stable, sheds, scales,<br>etc.....                     | 1897                         | 1896                    | 272,670             | \$27,000                 | \$27,000                      |
|                   | Incinerator plant.....  | 1912                         | .....                   | .....               | .....                    | 5,500                         |
| Hampshire St...   | City Stable, sheds, sta-<br>bles and scales, includ-<br>ing old police station. | 1885                         | .....                   | 72,661              | 30,000                   | 16,000                        |
| E. S. Norfolk St. | Yard and pound.....   | .....                        | .....                   | 34,650              | 10,400                   | .....                         |
| River St.....     | Yard and wharf.....   | .....                        | .....                   | 41,546              | 17,000                   | .....                         |
| Acton, Mass....   | Land, gravel bank....   | .....                        | 1896                    | .....               | 3,000                    | .....                         |
| Main St.....      | Land and incinerator<br>plant.....  | 1908                         | .....                   | 93,424              | 31,900                   | 18,000                        |
|                   |   |                              |                         |                     | <b>\$119,300</b>         | <b>\$66,500</b>               |

Total valuation of real estate.....\$185,800

## PERSONAL PROPERTY

|                                     |                    |
|-------------------------------------|--------------------|
| 68 horses .....                     | \$13,600 00        |
| 45 watering carts .....             | 11,000 00          |
| 65 single and double carts .....    | 5,200 00           |
| <i>Amount carried forward</i> ..... | <b>\$29,800 00</b> |

Sewer Department—Concluded

|   |             |
|---|-------------|
| <i>Amount brought forward</i> .....   | \$29,800 00 |
| 90 sets of harness .....  | 2,000 00    |
| 1 oil tank 10,000 gals. cap. ....   | 450 00      |
| 1 concrete mixer .....  | 900 00      |
| 2 automobiles .....   | 1,300 00    |
| 2 bicycles .....  | 50 00       |
| 4 steam rollers .....   | 11,500 00   |
| 1 scarifier .....   | 450 00      |
| 10 Shadbolt carts .....   | 3,300 00    |
| 2 Watson carts .....  | 400 00      |
| 134 ft. straight edgestone .....  | 71 02       |
| 50 ft. circle edgestone .....   | 30 00       |
| 75,000 granite paving blocks .....  | 1,500 00    |
| 4,500 sidewalk bricks .....   | 62 55       |
| 686 ft. granite flagging .....  | 480 20      |
| 100 tons field stone .....  | 75 00       |
| 130 tons crushed stone .....  | 130 00      |
| 12 tons coal .....  | 54 92       |
| Stone crushing plant, Raymond Street .....  | 5,000 00    |
| Stone crushing plant, Hampshire Street .....  | 5,000 00    |
| Furnace and boiler, incinerator .....   | 9,000 00    |
| Miscellaneous tools, road machines, brooms, scrapers, waste<br>barrels, push carts, etc. .... | 10,000 00   |
| Miscellaneous buggies, sleighs, pungs, plows, wagons, etc. ....                               | 3,500 00    |
| Miscellaneous lumber, iron, grain, paints, leather and general<br>hardware .....              | 1,500 00    |
|   | <hr/>       |
|   | \$86,553 69 |
|   | <hr/>       |

ELECTRICAL DEPARTMENT

STREET LIGHTING

Equipment

|                        |            |
|------------------------|------------|
| 298 lamp posts .....   | \$2,898 00 |
| Office furniture ..... | 275 00     |
| Automobile .....       | 750 00     |
|                        | <hr/>      |
|                        | \$4,005 00 |

BRIDGE DEPARTMENT

PERSONAL PROPERTY

Cambridge and Boston Bridges

|                            |            |
|----------------------------|------------|
| Harvard Bridge .....       | \$750 00   |
| Prison Point Bridge .....  | 940 00     |
| River Street Bridge .....  | 500 00     |
| North Harvard Bridge ..... | 40 00      |
| Cambridge Bridge .....     | 100 00     |
|                            | <hr/>      |
|                            | \$2,330 00 |

## SCHOOLHOUSES

|                       | Feet of<br>Land. | Purchase<br>of Land. | Erection of<br>Buildings. | Valuation<br>of Land. | Valuation<br>of Buildings. |
|-----------------------|------------------|----------------------|---------------------------|-----------------------|----------------------------|
| Agassiz.....          | 19,689           | 1874                 | 1875                      | \$8,000               | \$18,000                   |
| Boardman.....         | 10,018           | 1866                 | 1868                      | 4,000                 | 13,500                     |
| Bridge.....           | 4,646            | 1836                 | 1836                      | 1,400                 | .....                      |
| Corlett.....          | 10,000           | 1880                 | 1880 Purchased.           | 2,500                 | 2,500                      |
| Cushing.....          | 14,787           | 1880                 | 1880 Purchased.           | 2,800                 | 3,000                      |
| Ellis.....            | 25,700           | 1897                 | 1898                      | 6,000                 | 50,000                     |
| Felton.....           | 15,090           | 1847                 | 1848                      | 5,000                 | 10,000                     |
| Fletcher.....         | 24,364           | 1902                 | 1903                      | 7,400                 | 70,000                     |
| Gannett.....          | 15,434           | 1876                 | 1886                      | 4,000                 | 12,000                     |
| Gore.....             | 9,900            | 1871                 | 1871                      | 4,000                 | 36,000                     |
| Harvard.....          | 20,494           | 1870                 | 1871-1899                 | 12,000                | 65,000                     |
| High.....             | 74,366           | ....                 | 1891                      | 44,425                | 220,000                    |
| Houghton.....         | 20,306           | 1904                 | 1904-1905                 | 8,100                 | 90,000                     |
| Kelley.....           | 25,536           | 1900                 | 1902                      | 10,000                | 80,000                     |
| Latinl.....           | 79,579           | 1894                 | 1897                      | 47,575                | 225,000                    |
| Lowel.....            | 12,033           | 1883                 | 1883                      | 3,600                 | 7,000                      |
| Merrill.....          | 37,828           | 1864                 | 1864                      | 19,000                | 45,000                     |
| Morse.....            | 25,650           | 1889                 | 1890                      | 7,000                 | 73,000                     |
| Parker.....           | 12,319           | ....                 | 1893                      | 7,000                 | 15,000                     |
| Peabody.....          | 21,813           | 1887                 | 1888-1898                 | 10,900                | 68,000                     |
| Putnam.....           | 14,400           | 1825                 | 1889                      | 12,000                | 65,000                     |
| Reed.....             | 12,000           | 1868                 | 1868                      | 1,200                 | 4,000                      |
| Rind e Technical..... | 97,128           | ....                 | 1887                      | 60,000                | 141,000                    |
| Roberts.....          | 16,400           | 1898                 | 1898                      | 7,200                 | 48,000                     |
| Russell.....          | 33,073           | 1895                 | 1896                      | 8,500                 | 40,000                     |
| Shepard.....          | 14,755           | 1855                 | 1856-1873                 | 10,000                | 20,000                     |
| Sleeper.....          | 21,284           | 1894                 | 1894                      | 5,000                 | 29,000                     |
| Tarbell.....          | 19,500           | 1878                 | 1882                      | 4,900                 | 10,000                     |
| Taylor.....           | 25,278           | 1894                 | 1895                      | 7,100                 | 36,000                     |
| Thorndike.....        | .....            | 1911                 | 1912                      | 15,000                | 120,000                    |
| Web-ter.....          | 25,839           | 1866                 | 1873-1885                 | 9,000                 | 140,000                    |
| Wellington.....       | 27,673           | 1875                 | 1884                      | 9,200                 | 133,000                    |
| Willard.....          | 20,079           | 1869                 | 1870                      | 5,000                 | 25,000                     |
| Wyman.....            | 14,347           | 1871                 | 1871-1886                 | 4,000                 | 6,000                      |
|                       |                  |                      |                           | \$371,900             | \$1,920,000                |

## SCHOOL DEPARTMENT

## PERSONAL PROPERTY

|   |              |
|---|--------------|
| Text-books .....                              | \$43,590 38  |
| Desk and reference books .....                | 1,834 49     |
| Apparatus and furnishings and machinery ..... | 22,782 30    |
| Furniture and furnishings .....               | 117,061 36   |
| Stock on hand in storeroom .....              | 4,894 56     |
|   | <hr/>        |
|   | \$190,163 09 |



**PUBLIC LIBRARY**  
**REAL AND PERSONAL ESTATE**

|   |             |              |
|---|-------------|--------------|
| 141,666 feet of land, as per assessors' books .....   | \$85,000 00 |              |
| Library building, as per assessors' books .....   | 145,000 00  |              |
|   |             | <hr/>        |
|   |             | \$230,000 00 |
| Estimated valuation of books in the library .....   | \$78,000 00 |              |
| Estimated valuation of interior furnishings .....   | 8,000 00    |              |
| Estimated valuation of books in the East Cambridge Branch Library .....   | 3,000 00    |              |
| Estimated valuation of furnishings in the East Cambridge Branch Library .....   | 800 00      |              |
| Estimated valuation of books in the North Cambridge Branch Library .....  | 4,000 00    |              |
| Estimated valuation of interior furnishings in North Cambridge Branch Library .....   | 1,400 00    |              |
| Cambridgeport Branch Books .....  | 2,000 00    |              |
| Cambridgeport Branch Furnishings .....  | 1,000 00    |              |
|   |             | <hr/>        |
|   |             | 98,200 00    |
|   |             | <hr/>        |
|   |             | \$328,200 00 |
| <p>The lot (about 590 x 240 feet) occupied by the library building is bounded by Broadway, Irving, Cambridge and Trowbridge streets. The land and building were presented to the City of Cambridge by Mr. Frederick H. Rindge in June, 1889, on the completion of the building, which was begun in the autumn of 1887. In 1894 a wing was added to the building at a cost to the city of \$20,000, and in 1902 an addition to the stack was made at an expense of about \$30,000.</p> |             |              |
| <p>The trustees of the library also hold the following funds, invested in the bonds of the City of Cambridge:</p>   |             |              |
| Fay Fund, schoolhouse loan bond, No. 254, due 1st August, 1918, at 3½ per cent. ....  |             | \$1,000 00   |
| Cummings Fund, water loan bond, No. 1102, due 1st July, 1939, 4 per cent. ....  |             | 2,000 00     |
| Citizens' Subscription Fund, invested as follows:   |             |              |
| Sewer loan bond, No. 1150, due 1st May, 1940, 4 per cent. ....  | \$5,000 00  |              |
| Sewer loan bond, No. 47, due 1st October, 1925, 4 per cent. ....  | 500 00      |              |
|   |             | <hr/>        |
|   |             | 5,500 00     |
| William E. Saunders Fund, invested as follows:  |             |              |
| Building loan bond, No. 544, due 1st April, 1923, 3½ per cent. ....   | \$3,000 00  |              |
| Street loan bond, No. 545, due 1st April, 1923, 3½ per cent. ....   | 4,000 00    |              |
| Deposited in Cambridgeport Savings Bank .....   | 521 91      |              |
|   |             | <hr/>        |
|   |             | 7,521 91     |
| James A. Woolson Fund, invested as follows:   |             |              |
| City of Cambridge Park loan bond, No. 701, due 1st of April, 1945, 3½ per cent. ....  |             | 5,000 00     |
| Edward H. Whorf Fund, invested as follows:  |             |              |
| 3 American Tel. & Tel. Co. bonds, Nos. 9755, 56, 57, due July 1, 1929, 4 per cent. ....   |             | 3,000 00     |
| William Penn Harding Fund, invested as follows:   |             |              |
| Deposited in East Cambridge Savings Bank, Book No. 58,916 .....   |             | 1,000 00     |
| Mehitable C. C. Wilson Fund:  |             |              |
| Deposited in Harvard Trust Co. ....   |             | 432 00       |
|   |             | <hr/>        |
| Total .....   |             | \$25,453 91  |



PARK DEPARTMENT

LAND

| River Parkway:            |       | Square Feet | Value        |
|---------------------------|-------|-------------|--------------|
| Section A                 | ..... | 395,174     | \$592,761 00 |
| “ B                       | ..... | 859,000     | 2,013,750 00 |
| “ C                       | ..... | 583,082     | 174,924 60   |
| “ D                       | ..... | 1,668,709   | 200,245 08   |
| “ E                       | ..... | 77,101      | 77,101 00    |
| “ F                       | ..... | 605,084     | 450,000 00   |
| “ G                       | ..... | 699,948     | 560,000 00   |
| “ H                       | ..... | 62,858      | 31,500 00    |
| Cambridge Field           | ..... | 528,154     | 264,000 00   |
| Rindge Field and Nursery  | ..... | 501,729     | 100,000 00   |
| East Cambridge Embankment | ..... | 349,828     | 174,000 00   |

| Commons and Squares:  |       |         |            |
|---|-------|---------|------------|
| Garden Street, Massachusetts Avenue and Waterhouse Street     | ..... | 370,784 | 370,000 00 |
| Massachusetts Avenue, Kirkland Street and Cambridge Street    | ..... | 33,357  | 66,000 00  |
| Massachusetts Avenue and Peabody Street                       | ....  | 23,073  | 46,000 00  |
| Massachusetts Avenue and Holmes Place                         | ..... | 20,956  | 42,000 00  |
| Massachusetts Avenue and Waterhouse Street                    | ..... | 13,180  | 13,000 00  |
| Broadway Common   | ..... | 107,181 | 54,000 00  |
| Fort Washington   | ..... | 42,123  | 10,500 00  |
| Dana Square   | ..... | 33,531  | 12,000 00  |
| Hastings Square   | ..... | 30,000  | 10,500 00  |
| Winthrop Square   | ..... | 11,565  | 23,000 00  |
| Arsenal Square  | ..... | 3,189   | 3,100 00   |
| Pleasant and River Streets                                    | ..... | 1,569   | 1,200 00   |
| Pleasant Street and Western Avenue                            | ..... | 1,372   | 1,000 00   |
| Massachusetts Avenue and Arrow Street                         | ..... | 872     | 1,700 00   |
| Harvard Street near Prospect Street (Stearns Schoolhouse Lot) | ..... | 10,050  | 5,000 00   |
| Longfellow Park   | ..... | 93,618  | 56,000 00  |
| Washington Elm  | ..... | 886     | 960 00     |

|           |       |                |
|-----------|-------|----------------|
| Total     | ..... | \$5,354,241 68 |
| Buildings | ..... | 122,100 00     |
| Equipment | ..... | 3,600 00       |
|           |       | <hr/>          |
|           |       | \$5,479,941 68 |

CITY PROPERTY

NOT USED BY ANY DEPARTMENT

|   | Assessors' Value |
|---|------------------|
| 13,690 square feet northwest corner Main and First Streets .... | \$17,200 00      |
| Total   | <hr/>            |
|   | \$17,200 00      |

PLAYGROUNDS AND EQUIPMENT

LAND

|                                  | Sq. Feet | Valuation   |
|----------------------------------|----------|-------------|
| Russell Field .....              | 888,410  | \$29,500 00 |
| Houghton .....                   | 11,804   | 3,100 00    |
| Peabody .....                    | 15,438   | 3,096 00    |
| Morse .....                      | 13,650   | 4,100 00    |
| Wellington .....                 | 8,144    | 2,800 00    |
| Fletcher .....                   | 10,187   | 3,100 00    |
| Sleeper .....                    | 15,350   | 2,500 00    |
| Sargent and Fresh Air Lots ..... | 20,291   | 8,000 00    |
| Thorndike Field .....            | 136,821  | 41,100 00   |
| Mill Pond .....                  | 119,066  | 36,100 00   |

\$133,396 00

EQUIPMENT

|                           |                     |
|---------------------------|---------------------|
| To March 31st, 1914 ..... | 46,988 00           |
| Total .....               | <u>\$180,384 00</u> |

## SCHEDULE B

No. X

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### EXEMPTED PROPERTY

The following is a schedule of property used for religious, charitable and educational purposes, and exempt from taxation by law, including property owned by the County of Middlesex, not including that owned by the City of Cambridge, as shown on the Assessors' Books, March 31, 1914:

# RETURN OF PROPERTY EXEMPTED FROM TAXATION IN THE CITY OF CAMBRIDGE

| Name of Corporation  | Description of Property        | Valuation      |                |
|--|--------------------------------|----------------|----------------|
|  |                                | Real Estate    | Personal       |
| Avon Home .....  | Building                       | \$50,000 00    | \$167,966 56   |
| Baptist Home .....   | House & Stable                 | 21,500 00      | 60,784 65      |
| Bishop, Leverett J., Wellington Bears, Hector McDonald, George McDougall and William C. Abbott, Trustees of the Church of Scotland.. | Church                         | 4,600 00       |                |
| Board of Church Extension of the Church Extension Society of the African Methodist Episcopal Church .....                            | Church                         | 8,900 00       |                |
| Broadway Baptist Church ...  | Church                         | 38,000 00      |                |
| Brown, John S., Prescott Evarts and Samuel G. Babcock, Trustees of St. Bartholomew's Chapel in Cambridge .....                       | Buildings                      | 14,700 00      | .              |
| Browne & Nichols School (Inc.)   | Buildings                      | 83,500 00      | 5,500 00       |
| Buckingham School, The .....   | Schoolhouse                    | 12,700 00      | 800 00         |
| Burton, Joseph S. and Edwin J. Sheffield and Charles A. Swinerton, Trustees .....  | Lot                            | 3,900 00       |                |
| Cambridge Homes for Aged People .....  | Building                       | 110,000 00     | 209,734 11     |
| Cambridge Hospital .....   | Buildings                      | 312,000 00     | 449,968 50     |
| Cambridge and Somerville Hebrew Ladies' Educational Institute .....  | House                          | 4,400 00       | 243 00         |
| Cambridge and Somerville Hebrew Literary Association ..  | Lot                            | 1,000 00       | 200 00         |
| Cambridge Relief Hospital ..   | Buildings                      | 13,500 00      | 2,930 11       |
| Cambridge School for Girls, The (Inc.) .....   | Buildings & Lot                | 34,200 00      | 3,774 61       |
| Cambridge Social Union .....   | House and Hall                 | 25,500 00      | 1,500 00       |
| Cambridge Visiting Nursing Association .....   | House                          | 9,500 00       | 6,644 88       |
| Cambridge Young Men's Christian Association .....  | Building                       | 235,000 00     | 9,117 50       |
| Cambridge Young Women's Christian Association .....  | Building                       | 89,700 00      | 33,313 74      |
| Church of the Ascension .....  | Church                         | 9,000 00       |                |
| Christ Church, Episcopal .....   | { Church and<br>Parish House } | 57,900 00      |                |
| Columbus Day Nursery of Cambridge .....  | House                          | 4,300 00       |                |
| Congregation Agaduth Ashkenazino of Cambridge .....  | Buildings                      | 8,700 00       | 1,000 00       |
| Congregation Beth Israel of Cambridge .....  | Synagogue                      | 17,600 00      |                |
| Corporation of the New Church Theological School, The ....   | Buildings                      | 108,800 00     | 172,462 00     |
| Amounts carried forward .....  |                                | \$1,278,900 00 | \$1,125,939 66 |



Exempted Property—Continued

| Name of Corporation   | Description of Property | Valuation      |                |
|---|-------------------------|----------------|----------------|
|   |                         | Real Estate    | Personal       |
| <i>Amounts brought forward</i> .....  |                         | \$1,278,900 00 | \$1,125,939 66 |
| East End Union Mission Church .....   | Church                  | 6,000 00       |                |
| Episcopal Theological School, Trustees of .....   | Buildings               | 410,700 00     | 698,990 16     |
| Epworth M. E. Church .....  | Church                  | 87,200 00      |                |
| First Baptist Church .....  | Church                  | 100,000 00     |                |
| First Church of the Evangelical Ass'n of North America  | Church                  | 7,900 00       |                |
| First Evangelical Congregational Society .....  | Church                  | 52,000 00      |                |
| First Parish Church, Unitarian  | Church                  | 100,000 00     |                |
| First Pentacostal Church of the Nazarene of Somerville, Mass. ....  | Lot                     | 1,600 00       |                |
| First Reformed Presbyterian Church of Cambridge .....   | Church                  | 9,600 00       |                |
| First Swedish Baptist Church of Cambridge .....   | Church                  | 8,200 00       |                |
| First United Presbyterian Church of Cambridge .....   | Church                  | 11,100 00      |                |
| First Universalist Society of Cambridge .....   | Church                  | 31,300 00      |                |
| Grace M. E. Church .....  | Church                  | 20,000 00      |                |
| Harvard Lampoon Club .....  |                         |                | 5,676 00       |
| Harvard St. M. E. Society ....  | Church                  | 30,000 00      |                |
| Holy Ghost Hospital for Incurables .....  | Hospital                | 179,200 00     | 8,300 00       |
| Immanuel Baptist Church ....  | Church                  | 28,000 00      |                |
| Lamson Home, The .....  | House                   | 7,000 00       | 10,215 89      |
| Longfellow Memorial Ass'n ..  |                         |                | 21,505 53      |
| Marist Fathers of Boston ....   | { Buildings and Land }  | 71,200 00      | 1,500 00       |
| Massachusetts Association for Promoting the Interests of the Adult Blind .....  |                         |                |                |
| Massachusetts Ave. Baptist Church and Harlow H. Rogers for apportioned sewer assessment, and Harlow H. Rogers for tax ..... | Buildings               | 15,900 00      | 5,149 35       |
| Massachusetts Baptist Convention Union Baptist Church..   | Church                  | 18,400 00      |                |
| Massachusetts College of Osteopathy .....   | House                   | 24,000 00      | 2,500 00       |
| Massachusetts, Commonwealth of .....  | Parks and Buildings     | 623,600 00     |                |
| Massachusetts, Commonwealth of, and City of Cambridge for tax .....   | Lot                     | 3,000 00       |                |
| <i>Amounts carried forward</i> .....  |                         | \$3,145,300 00 | \$1,879,776 59 |

## Exempted Property—Continued

| Name of Corporation  | Description of Property | Valuation      |                 |
|--|-------------------------|----------------|-----------------|
|  |                         | Real Estate    | Personal        |
| <i>Amounts brought forward</i> .....   |                         | \$3,145,300 00 | \$1,879,776 59  |
| Massachusetts, Commonwealth of, and City of Cambridge for tax and Mary M. Maguire for tax and Willard Welsh for tax .....                          | Parkway                 | 18,500 00      |                 |
| Massachusetts, Commonwealth of and Willard Welsh for sidewalk assessment and for tax .....   | Lot                     | 900 00         |                 |
| Massachusetts Institute of Technology .....  | Lot                     | 1,388,500 00   |                 |
| Middlesex, County of .....   | Buildings               | 1,369,500 00   | 50,000 00       |
| Mt. Auburn Cemetery Corp. ..   | Church                  | 50,000 00      |                 |
| North Avenue Baptist Church  | Church                  | 76,300 00      |                 |
| North Avenue Congregational Society .....  | Church                  | 43,600 00      |                 |
| Old Cambridge Baptist Soc. ..  | Church                  | 171,000 00     |                 |
| Pilgrim Congregational Church  | Church                  | 39,300 00      |                 |
| President and Fellows of Harvard College .....   | Buildings               | 7,845,000 00   | 20,799,245 85   |
| Prospect Union Association ..  | Buildings               | 40,800 00      | 13,737 00       |
| Radcliffe College .....  | Buildings               | 783,600 00     | 1,398,165 51    |
| Robinson, Fred O., Stephen E. Jeffrey, Everett F. Annis, Charles W. Rogers, William Wilkins, Robert B. Brown and Edward R. Markham, Trustees ..... | Church                  | 13,700 00      |                 |
| Roman Catholic Archbishop of Boston .....  | Buildings               | 580,200 00     |                 |
| Rush African M. E. Zion Church and Robert Miller for watering tax .....  | Church                  | 7,100 00       |                 |
| Sacred Heart School Association of Cambridge .....   | Buildings               | 162,500 00     | 4,170 00        |
| St. John's Literary Institute ..   | Building                | 24,700 00      | 5,600 00        |
| Salvation Army of Massachusetts .....  | Building                | 12,700 00      | 200 00          |
| St. Mary's Parochial School ..   | Buildings               | 313,100 00     | 5,315 01        |
| St. Paul's Roman Catholic School Association .....   | Buildings               | 230,200 00     | 5,000 00        |
| St. Peter's Parish Hall Corp.  | Buildings               | 64,600 00      | 1,000 00        |
| St. Philip's Episcopal Church  | Church                  | 4,300 00       |                 |
| Shepard Congregational Soc.  | Church                  | 144,000 00     |                 |
| Stratton, Charles F.; Allan K. Sweet and Edwin S. Chapin, Trustees of the Riverside Alliance .....   | Building                | 7,100 00       | 33 75           |
| Swedish Evangelical Lutheran Augustana Church .....  | Church                  | 18,100 00      |                 |
| <i>Amounts carried forward</i> .....   |                         | \$6,554,600 00 | \$24,162,243 71 |

Exempted Property—Concluded

| Name of Corporation  | Description of Property | Valuation       |                 |
|--|-------------------------|-----------------|-----------------|
|  |                         | Real Estate     | Personal        |
| Amounts brought forward .....  |                         | \$6,554,600 00  | \$24,162,243 71 |
| Swedish Evangelical Missionary Church of Cambridge ..  | Church                  | 26,600 00       |                 |
| Third Congregational Society in Cambridge, The .....   | Church                  | 42,200 00       |                 |
| Third Universalist Society ...   | Church                  | 44,800 00       |                 |
| Trinity Methodist Episcopal Church .....   | Church                  | 41,300 00       |                 |
| Trustees of Andover Theological Seminary .....   | Building                | 305,000 00      | 793,411 12      |
| Trustees of Donations of the Protestant Episcopal Church Trustees .....                        | { Church and Chapel }   | 96,200 00       |                 |
| Trustees of Donations to the Protestant Episcopal Church in the Diocese of Massachusetts ..... |                         |                 |                 |
| Wheelwright, John T., and Roger L. Scaife and Arthur H. Weed, Trustees .....                   | { Lampoon Building }    | 12,000 00       |                 |
| Wood Memorial Church, Congregational .....   |                         |                 |                 |
|  | Church                  | 34,700 00       |                 |
| Totals .....   |                         | \$17,176,600 00 | \$24,955,654 83 |

RECAPITULATION

|                     | Real Estate     | Personal        |
|---------------------|-----------------|-----------------|
| Benevolent .....    | \$331,800 00    | \$42,464 99     |
| Charitable .....    | 735,600 00      | 921,894 05      |
| Literary .....      | 10,422,500 00   | 23,937,795 79   |
| Religious .....     | 2,208,700 00    | 1,000 00        |
| Scientific .....    | 1,412,500 00    | 2,500 00        |
| Miscellaneous ..... | 2,065,500 00    | 50,000 00       |
| Total .....         | \$17,176,600 00 | \$24,955,654 83 |





# REPORT OF THE CITY ENGINEER

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April 1, 1914.

*To the Honorable, the City Council:*

The City Engineer hereby submits his annual report, being the forty-seventh of the department, showing the operation and expenditures of the Engineering and Sewer Departments for the year ending April 1, 1914.

A brief summary of the work of the Engineering and Sewer Department for year is as follows:

## FOR HIGHWAY DEPARTMENT

|  |     |
|--|-----|
| Number of surveys made .....                                     | 1   |
| Number of street lines given .....                               | 20  |
| Number of grades given .....                                     | 100 |
| Number of streets on which paving, curb, etc., was measured..... | 125 |
| Number of assessments prepared .....                             | 327 |
| Number of plans and profiles prepared.....                       | 84  |
| Number of cars of street department material measured.....       | 313 |

## FOR SEWER DEPARTMENT

|  |     |
|--|-----|
| Number of surveys made .....               | 5   |
| Number of lines given .....                | 556 |
| Number of grades given .....               | 526 |
| Number of sewers measured .....            | 10  |
| Number of assessments prepared .....       | 63  |
| Number of sewers assessed .....            | 16  |
| Number of plans or profiles prepared ..... | 15  |

## FOR WATER WORKS

|  |    |
|--|----|
| Number of lines .....                  | 3  |
| Number of surveys .....                | 5  |
| Number of plans and profiles made..... | 27 |
| Plan of city, number of sheets .....   | 6  |
| Number of grades .....                 | 3  |

## FOR LAW DEPARTMENT

|  |    |
|--|----|
| Number of surveys .....                | 30 |
| Number of plans (not filed).....       | 33 |
| Number of photographic negatives ..... | 35 |

MISCELLANEOUS WORK

|  |     |
|--|-----|
| Number of circuits of bench levels .....                 | 8   |
| Number of houses measured .....                          | 581 |
| Number of plans or profiles prepared, tracings, etc..... | 74  |
| Number of surveys made .....                             | 21  |
| Number of lines given .....                              | 80  |

FOR PARK DEPARTMENT

|                              |    |
|------------------------------|----|
| Number of surveys .....      | 5  |
| Number of lines given .....  | 0  |
| Number of grades given ..... | 14 |
| Number of plans made .....   | 5  |

There are now on file in the office 12,049 plans.

FINANCIAL

ENGINEERING DEPARTMENT

Salaries

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$8,729 60 |
| Expended .....      | \$8,729 60 |

Other Expenses

|                     |          |
|---------------------|----------|
| Appropriation ..... | \$570 40 |
| Expended .....      | 479 89   |

|               |         |
|---------------|---------|
| Balance ..... | \$90 51 |
|---------------|---------|

In addition to the above amount charged to salaries of assistants there have been expended and charged to departments as follows:

|                                  |                    |
|----------------------------------|--------------------|
| To Assessors' plans .....        | \$200 00           |
| To Sewer Department .....        | 1,561 00           |
| To Water Works Department .....  | 709 81             |
| To salary of City Engineer ..... | 3,000 00           |
| Salaries of Assistants .....     | 5,729 60           |
| Total .....                      | <u>\$11,200 41</u> |

Classification of Salaries of Assistants

|   |          |
|---|----------|
| Accounts .....  | \$474 30 |
| Assessors' plans—Surveys, measurements and work on block plans for Assessors' Department.....   | 531 25   |
| Accidents—Surveys, plans and court attendance for Law Department .....                          | 74 00    |
| Bridges—Surveys, plans, examinations and estimates.....   | 318 00   |
| Cemetery—Surveys and plans, setting out lots, etc., at Cambridge Cemetery .....                 | 00       |
| General surveys and levels—Surveys and work on section and city plans and bench levelling ..... | 392 40   |

|  |            |
|--|------------|
| Highways—Surveys, levels, plans, estimates, measurements and assessments for Highway Department; also lines and grades for private parties ..... | \$1,314 93 |
| Location plans for electric conduits, gas, water pipes, etc.....   | 143 20     |
| Miscellaneous—Unclassified work for committees and departments, vacations and sickness .....   | 627 02     |
| Parks—Surveys, lines, grades, plans and estimates for Park Department .....  | 520 12     |
| Sewers—Lines, grades, plans, estimates, accounts, measurements and assessments for Sewer Department.....   | 2,105 65   |
| Sidewalks—Estimates, measurements, titles and assessments for Highway Department .....   | 114 00     |
| Water Works—Surveys, lines, grades, plans and estimates for Water Works Department .....   | 1,585 54   |
|  | <hr/>      |
|  | \$8,200 41 |
|  | <hr/>      |

STREETS LAID OUT AND ACCEPTED APRIL 1, 1913, to MARCH 31, 1914

| LOCATION OF STREET |                   |                 |                   |                  |                       | PLAN               |              |
|--------------------|-------------------|-----------------|-------------------|------------------|-----------------------|--------------------|--------------|
| Street             | From              | To              | Length<br>in feet | Width<br>in feet | Date of<br>Acceptance | Made by            | Date         |
| Bent Street.....   | Sixth Street..... | Third Street... | 1071              | 50               | April 1, 1913         | City Engineer..... | Nov. 1, 1912 |
| Malcolm Road.....  | Lake View Avenue. | Standish Street | 300               | 40               | May 15, 1913          | W. A. Mason & Son. | April 1913   |
| Stiles Street.. .. | Banks Street..... | Parkway.....    | 257               | 40               | Nov. 15, 1913         | City Engineer..... | May 17, 1900 |
|                    |                   |                 | 1628              |                  |                       |                    |              |

Length of accepted streets March 31, 1913, 104,575 miles.  
Accepted March 31, 1913, to March 31, 1914, 0.308 miles.  
Length of accepted streets March 31, 1914, 104,883 miles.



## BRIDGES

## WALDEN STREET BRIDGE.

This bridge remains in a weakened and unsafe condition. A careful examination of the bridge and studies for a new one indicated that it would be more economical and more satisfactory not to attempt to repair the old bridge, but to construct an entirely new and modern one in its place. Sketches were prepared for a concrete arch bridge, but the requirements of the Boston & Maine Railroad, obtained only after long delay, were such as to make this impracticable. Plans in detail were then prepared for a steel-plate girder bridge with exposed parts covered with concrete and with concrete floor, resting upon the old abutments. It was then thought by some members of the City Council that a portion, at least, of the expense should be borne by the railroad, and an effort to effect this was suggested.

These delays made the completion of the plans so late in the season that it would be impossible to complete the work until freezing weather would be due, so nothing has been done about contracting for the work. The bridge is now open for light vehicles only, and should be rebuilt the coming season. Sundry repairs and renewals will be needed at nearly all of the bridges maintained by the city the coming year. The bridge repair division should be given enough money to put these bridges in a good and safe condition.

## WOOD BLOCK PAVEMENT

The wood block pavement on Massachusetts Avenue from Inman Street to Vernon Street, and at Central Square,—Prospect Street from Austin Street to Broadway, and all of Central Square to Green Street, was completed the past season, making the total area of this pavement now laid on streets 36,388 square yards. The removal of the old stone blocks and replacing them with wooden blocks is giving great satisfaction, and it is the general verdict that the introduction of this pavement in the localities mentioned has proved a notable public improvement.

The relaying of the granite block paving on Western Avenue and Main Street should be completed the coming season.

PAVEMENT STATISTICS

Statistics of the pavement laid in this city to date are as follows :

| KIND                              | Miles laid<br>1913 | Miles to<br>Date | Area laid<br>in 1913 | Area to date<br>sq. yds. |
|-----------------------------------|--------------------|------------------|----------------------|--------------------------|
| Granite blocks .....              | 0.664              | 11.872           | 12,675               | 277,690*                 |
| Vitrified bricks .....            | 0.232‡             | 3.658            | 4,544                | 78,871                   |
| Wood block .....                  | 0.333              | 1.155            | 9,840                | 36,388                   |
| Bithulithic .....                 | 0.787              | 6.103            | 24,226               | 161,593                  |
| Tar Macadam .....                 | 1.123              | 7.868            | 20,977               | 149,015                  |
| Macadam .....                     | 2.574†             | 73.319           | 57,878†              | 984,332                  |
| Wood block, Harvard Bridge....    | .....              | 0.185            | .....                | 5,512                    |
| Granite block, Cambridge Bridge . | .....              | 0.161            | .....                | 4,044                    |
| Granite block, Charles River Dam. | .....              | 0.106            | .....                | 5,469                    |

\*In addition 0.101 miles or 5297 sq. yds. of old granite blocks were relaid with wood blocks.

‡ { 0.664 miles or 12675 sq. yds. relaid with granite blocks.  
0.787 miles or 24226 sq. yds. relaid with bithulithic.  
1.123 miles or 20977 sq. yds. relaid with tar Macadam.

† { Changed to granite.....0.664 miles or 12675 sq. yds.  
Changed to bithulithic.....0.787 miles or 24226 sq. yds.  
Changed to Tar Macadam.....1.123 miles or 20977 sq. yds.

2.574 miles or 57878 sq. yds.

GENERAL SEWER CONSTRUCTION

The total length of sewer conduit constructed during the year was 2.291 miles, making the total mileage in the city 151.890 miles.

The length of streets newly sewered during the year has been 0.808 miles, making the total mileage of streets sewered with one or more conduits 119.673 miles.

The total cost of sewer construction to date, including \$294.84 paid by the Street Department for catch basins constructed, has been \$2,338,455.42.

Sewers have been built upon streets, as shown by the annexed schedule.

CATCH BASINS

A careful survey and location of all the catch basins now built in the city was made the past season, and the results are shown in the following schedule :—

## SEWERS CONSTRUCTED BETWEEN APRIL 1, 1913, AND APRIL 1, 1914

| Street                   | From             | To               | Material                | Size in inches   |           |          | Number of |            |        | Average Depth in Feet | Length in feet |       |          | Cost     |            | Time when work was |                |               |
|--------------------------|------------------|------------------|-------------------------|--|-----------|----------|-----------|------------|--------|-----------------------|----------------|-------|----------|----------|------------|--------------------|----------------|---------------|
|                          |                  |                  |                         | Combined   | Storm     | Sanitary | Man-holes | Lamp holes | Inlets |                       | Combined       | Storm | Sanitary | Per foot | Total      | Began              | Finished       |               |
| Albion St.               | Concord Ave.     | Field St.        | Akron pipe              |  |           | 12       | 1         |            | 26     | 7.75                  |                |       | 378.5    | 33.27    | \$1,236.31 | Nov. 10, 1913      | Nov. 24, 1913  |               |
| Amherst Alley            | Endicott St.     | Fowler St.       | "                       | 15, 12, 10   | 8         |          | 2         |            | 93     | 7.50                  |                | 613.8 | 608.8    | 6.32     | 3,881.82   | July 21, 1913      | Sept. 12, 1913 |               |
| Brattle St.              | W. of Larch Rd.  | Larch Rd.        | Concrete                | 18-20  |           |          |           |            | 22     | 11.00                 |                | 354.0 |          | 6.71     | 2,375.54   | April 11, 1913     | May 22, 1913   |               |
| Cambridge St.            | Tremont St.      | Prospect St.     | Akron pipe              |  |           | 10, 8    | 1         |            | 16     | 13.75                 |                |       | 278.3    | 6.52     | 1,815.89   | Aug. 18, 1913      | Oct. 4, 1913   |               |
| Chilton St.              | Concord Ave.     | Vassall Lane     | "                       |  | 12, 10    | 8        | 3         |            | 66     | 9.00                  |                |       | 504.8    | 4.30     | 2,428.70   | Dec. 10, 1913      | Jan. 10, 1914  |               |
| Copley St.               | Fayerweather St. | Walden St.       | "                       |  |           | 8        | 1         | 1          | 34     | 9.70                  |                |       | 504.4    | 2.25     | 1,135.45   | Oct. 28, 1913      | Nov. 22, 1913  |               |
| +Cross St.               | Albany St.       | Purrrington St.  | "                       |  |           | 15       | 8         | 1          | 32     | 10.00                 |                |       | 281.9    | 9.99     | 5,393.12   | March 13, 1913     | May 3, 1913    |               |
| Fayerweather St.         | N. of Copley St. | Walden St.       | "                       |  |           | 8        | 2         |            | 37     | 9.50                  |                |       | 641.6    | 2.48     | 1,589.54   | Sept. 25, 1913     | Nov. 8, 1913   |               |
| Field St.                | Alpine St.       | Chilton St.      | "                       |  | 10        |          |           | 1          | 15     | 7.00                  |                |       | 198.5    | .97      | 192.23     | Nov. 20, 1913      | Nov. 25, 1913  |               |
| Francis Ave.             | Irving St.       | Northeasterly    | "                       |  |           | 8        | 1         |            | 15     | 11.50                 |                |       | 416.5    | 2.61     | 819.62     | May 23, 1913       | June 20, 1913  |               |
| Francis Ave.             | Bryant St.       | Northerly        | "                       |  |           | 12       | 8         |            | 22     | 9.50                  |                |       | 249.1    | 3.56     | 899.48     | Dec. 18, 1913      | Jan. 8, 1914   |               |
| Fresh Pond Parkway       | Larch Rd.        | Northwesterly    | "                       | 15-12  |           |          |           |            | 44     | 10.00                 | 760.0          |       |          |          | 4.34       | 3,300.83           | May 17, 1913   | July 22, 1913 |
| Garden St.               | Field St.        | Walden St.       | "                       |  |           | 10, 8    | 5         |            | 92     | 7.50                  |                |       | 1300.1   | 1.38     | 1,865.94   | Nov. 13, 1913      | Dec. 18, 1913  |               |
| Gracewood Park           | Lexington Ave.   | Easterly         | "                       | 10   |           |          |           |            | 1      | 5                     | 8.00           | 137.7 |          |          | 1.67       | 229.65             | June 19, 1913  | June 28, 1913 |
| Hazel St.                | Fayerweather St. | Garden St.       | "                       |  | 10        |          |           | 1          | 17     | 7.00                  |                |       | 229.7    | 1.41     | 319.35     | Nov. 24, 1913      | Dec. 4, 1913   |               |
| Ivy St.                  | Garden St.       | Fayerweather St. | "                       |  | 10        |          |           | 1          | 16     | 8.20                  |                |       | 214.5    | 1.24     | 236.82     | Dec. 3, 1913       | Dec. 11, 1913  |               |
| +Purrrington St.         | Cross St.        | Southerly        | "                       |  | 10        | 8        | 1         |            | 26     | 9.50                  |                |       | 254.9    | 254.9    |            | March 10, 1913     | May 12, 1913   |               |
| Sixth St.                | Binney St.       | Northerly        | "                       |  | 18        | 8        |           |            | 22     | 12.00                 |                |       | 188.9    | 163.1    | 5.69       | 1,074.22           | Oct. 4, 1913   | Nov. 1, 1913  |
| Vassar and Amesbury Sts. | Waverly St.      | Charles River    | Akron pipe and Concrete | 28 x 32<br>28 x 36<br>30 x 40<br>33 x 40<br>24 and 30<br>C.I. Pipe | 8, 10, 12 | 5        | 1         |            | 70     | 9.50                  |                |       | 1107.6   | 938.2    | 14.44      | 15,098.40          | May 12, 1913   | Nov. 5, 1913  |
| *Walden St.              | Fayerweather St. | Concord Ave.     | Akron pipe              |  |           | 8        | 1         | 1          | 35     | 9.00                  |                |       | 500.0    |          | 2.08       | 1,535.45           | Oct. 23, 1913  | Nov. 13, 1913 |
| *Walden St.              | Garden St.       | Fayerweather St. | "                       |  |           | 8        |           | 1          | 16     | 8.70                  |                |       | 238.8    |          |            |                    | Dec. 5, 1913   | Dec. 17, 1913 |

\*Cost includes cost of Purrrington St.

\*Cost included in cost of Cross St.

\*Two parts of Walden St. included in one cost.

REPORT OF THE COMMISSIONER OF THE GENERAL LAND OFFICE, FOR THE YEAR 1871.

| LANDS     | AMOUNT    | RENT    | REVENUE |
|-----------|-----------|---------|---------|
| Total     | 1,000,000 | 100,000 | 10,000  |
| Land      | 800,000   | 80,000  | 8,000   |
| Water     | 200,000   | 20,000  | 2,000   |
| Mines     | 100,000   | 10,000  | 1,000   |
| Buildings | 50,000    | 5,000   | 500     |
| Fences    | 20,000    | 2,000   | 200     |
| Roads     | 10,000    | 1,000   | 100     |
| Other     | 10,000    | 1,000   | 100     |
| Total     | 1,000,000 | 100,000 | 10,000  |
| Land      | 800,000   | 80,000  | 8,000   |
| Water     | 200,000   | 20,000  | 2,000   |
| Mines     | 100,000   | 10,000  | 1,000   |
| Buildings | 50,000    | 5,000   | 500     |
| Fences    | 20,000    | 2,000   | 200     |
| Roads     | 10,000    | 1,000   | 100     |
| Other     | 10,000    | 1,000   | 100     |
| Total     | 1,000,000 | 100,000 | 10,000  |

THE COMMISSIONER OF THE GENERAL LAND OFFICE, FOR THE YEAR 1871.



|  |       |
|--|-------|
| Catch basins with wooden covers .....        | 248   |
| Catch basins with sidewalk flagging .....    | 1,025 |
| Catch basins with cast iron "D" frames.....  | 756   |
| Catch basins with miscellaneous covers ..... | 51    |
| Total number in city .....                   | 2,080 |

Thirty-one catch basins have been built during the year at a total cost of \$2,285.25. Of this amount \$294.84 has been paid by the Street Department.

Eighty catch basins have been repaired at a cost of \$1,070.28; 3,802 loads of material have been removed from 1,479 catch basins during the year at a cost of \$6,223.28; 17 persons have been licensed as drain layers during the year.

Permits have been granted for sewer repairs or constructions as follows:

|   |    |
|---|----|
| For repairs .....                       | 78 |
| For connection to combined sewers ..... | 94 |
| For connection to sanitary sewers ..... | 77 |
| For connection to storm sewers .....    | 55 |

A total of 226 permits for connections and 78 for repairs.

#### Classified schedule of sewers as built to April 1, 1913:

|                                      |         |       |
|--------------------------------------|---------|-------|
| Vitrified and cement pipe .....      | 95.533  | miles |
| Brick .....                          | 48.751  | "     |
| Miscellaneous materials .....        | 3.313   | "     |
| Wood .....                           | 2.821   | "     |
| Cement concrete .....                | 1.163   | "     |
| Iron pipe .....                      | 0.309   | "     |
| Total length of sewers to date ..... | 151.890 | "     |

#### AMESBURY AND VASSAR STREET SEWER.

The most important sewer construction during the year was at Amesbury and Vassar Streets. The erection of the Gray & Davis factory at the corner of Charles River Road and Amesbury Street rendered it necessary to provide a new outlet into Charles River for storm water and a new connection at Chestnut Street with the Metropolitan sewer for sanitary sewage, thus making a new sewage district. One thousand one hundred seven and six-tenths feet of sewer conduit was built at a cost of \$15,998.46.

SEWER DEPARTMENT—FINANCIAL

MAINTENANCE

|                     |                 |
|---------------------|-----------------|
| Appropriation ..... | \$20,000 00     |
| Expended .....      | 19,786 56       |
| Balance .....       | <u>\$213 44</u> |

EXPENDED

|                                    |                    |
|------------------------------------|--------------------|
| Catch basin repairs .....          | \$1,070 28         |
| Catch basin cleaning .....         | 6,223 28           |
| Cleaning and repairing gates ..... | 969 90             |
| Cleaning sumps .....               | 315 56             |
| Cleaning and flushing sewers ..... | 1,873 45           |
| Manhole repairs .....              | 207 24             |
| General expense .....              | 5,063 08           |
| Office .....                       | 514 95             |
| Sewer repairs .....                | 627 65             |
| Stable expense .....               | 1,866 64           |
| Pensions .....                     | 1,054 53           |
| Total .....                        | <u>\$19,786 56</u> |

CONSTRUCTION GENERAL

|                     |                        |
|---------------------|------------------------|
| Appropriation ..... | \$35,336 97            |
| Expended .....      | 35,066 40              |
| Balance .....       | <u><u>\$270 57</u></u> |

EXPENDED

|   |                    |
|---|--------------------|
| New catch basins .....                          | \$1,990 38         |
| General expense .....                           | 767 86             |
| Cross and Purrington Streets (completion) ..... | *5,363 12          |
| Brattle Street .....                            | 2,375 54           |
| Amesbury and Vassar Streets .....               | 15,998 46          |
| Francis Avenue .....                            | 916 62             |
| Amherst Alley .....                             | 3,881 82           |
| Fresh Pond Parkway .....                        | 3,300 83           |
| Gracewood Park .....                            | 229 95             |
| Sixth Street .....                              | 1,074 22           |
| Francis Avenue .....                            | 899 48             |
| Total expenditure for 1913 .....                | <u>\$35,066 40</u> |

\*\$1,731.88 of this amount was expended in 1912.

## SEPARATE SYSTEM

|                          |                   |
|--------------------------|-------------------|
| Appropriation .....      | \$19,043 85       |
| Expended .....           | 14,089 74         |
| Balance unexpended ..... | <u>\$4,954 11</u> |

## EXPENDED

|                           |                    |
|---------------------------|--------------------|
| Cambridge Street .....    | \$1,815 89         |
| Fayerweather Street ..... | 1,589 54           |
| Copley Street .....       | 1,135 45           |
| Walden Street .....       | 1,538 45           |
| Garden Street .....       | 1,814 94           |
| Field Street .....        | 192 23             |
| Alpine Street .....       | 1,250 30           |
| Hazel Street .....        | 313 95             |
| Ivy Street .....          | 266 82             |
| Chilton Street .....      | 2,433 20           |
| General expense .....     | *1,225 00          |
|                           | <u>\$14,098 74</u> |

## REVENUE

|                                     |               |
|-------------------------------------|---------------|
| Sewer assessments .....             | \$8,154 28    |
| Sundry receipts (maintenance) ..... | <u>124 78</u> |

## METROPOLITAN SEWER TAX

|                                 |                   |
|---------------------------------|-------------------|
| Appropriation .....             | \$111,944 92      |
| Sinking Fund requirements ..... | \$26,707 75       |
| Interest account .....          | 50,807 26         |
| Maintenance and operation ..... | 33,808 76         |
| Maturing serial bonds .....     | 621 15            |
|                                 | <u>111,944 92</u> |

For fifteen years now the city has been constructing sewers of special character to furnish improved sewerage facilities for certain localities, in addition to the usual sewer construction in response to petitions of owners of real property intending to improve or develop the same.

The money for the construction of what was called "Improved Sewerage" was obtained from loans authorized by Act of the Legislature of the year 1899, Chapter 189 and Chapter 473. Four hundred thousand dollars was expended upon this work.

The money for the work called "Separate System of Sewers" has been obtained from loans made under authority of the Acts of the Legislature for 1903, Chapter 383. Under the authority of this act \$272,118.80 has been expended, making a total of \$672,118.76, which has been expended on special sewer construction as shown in detail upon the following statement:

\*Includes \$616.77 cost of repaving Broadway, Windsor Street to Davis Street.



STATEMENT OF EXPENDITURES FOR SEWER CONSTRUCTION BY LOANS  
OUTSIDE THE "DEBT LIMIT," 1899 TO 1913

| Date      | Improved Sewerage |              | Separate System |              |
|-----------|-------------------|--------------|-----------------|--------------|
|           | Appropriation     | Expended     | Appropriation   | Expended     |
| 1899..... | \$100,000 00      | \$42,989 24  |                 |              |
| 1900..... | 99,010 76         | 73,619 11    |                 |              |
| 1901..... | 125,391 65        | 76,546 14    |                 |              |
| 1902..... | 68,845 51         | 61,997 27    |                 |              |
| 1903..... | 47,848 24         | 47,821 13    |                 |              |
| 1904..... | 47,027 11         | 35,730 95    | \$25,000 00     | \$19,551 26  |
| 1905..... | 61,296 16         | 55,480 74    | 30,448 74       | 23,195 32    |
| 1906..... | 5,815 42          | 5,815 38     | 57,253 42       | 50,744 10    |
| 1907..... |                   |              | 26,509 32       | 19,229 69    |
| 1908..... | (16 mos.)         |              | 48,559 26       | 47,258 93    |
| 1909..... |                   |              | 31,300 33       | 26,281 58    |
| 1910..... |                   |              | 25,018 75       | 24,776 51    |
| 1911..... |                   |              | 25,742 24       | 21,148 79    |
| 1912..... |                   |              | 29,593 45       | 25,842 88    |
| 1913..... |                   |              | 19,043 85       | 14,089 74    |
|           |                   | \$399,999 96 |                 | \$272,118 80 |
|           |                   |              |                 | \$399,999 96 |

Total Expenditure in 15 Years..... \$672,118 76

In constructing these special sewers, districts and sometimes streets most in need of improved sewage were selected according to their need, until now all the more important and needy districts are supplied with improved sewers. In many cases it has been found that where the property is connected with the old existing sewer, even if defective, but little attempt is made to use the new sewer, due evidently to the expense involved.

It is proposed the coming season to construct the sewer outlet in Concord Avenue from Alpine Street to the Metropolitan sewer near Alewife Brook, after which the yearly expenditure for these special sewers can and should be greatly reduced.





TABLE SHOWING RAINFALL AT STONY BROOK BASIN AT WESTON, AT HOBBS BROOK BASIN IN WALTHAM, AND THE CITY HALL AND HARVARD OBSERVATORY, CAMBRIDGE, DECEMBER 1, 1912, TO DECEMBER 1, 1913

| Day of Month | 1912<br>DECEMBER |             |           |                 | 1913<br>JANUARY |       |       |       | FEBRUARY |       |       |       | MARCH |       |       |       | APRIL |       |       |       | MAY   |       |       |       | JUNE  |       |       |       | JULY  |       |       |       | AUGUST |       |       |       | SEPTEMBER |       |       |       | OCTOBER |      |      |      | NOVEMBER |      |      |      |  |  |
|--------------|------------------|-------------|-----------|-----------------|-----------------|-------|-------|-------|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-----------|-------|-------|-------|---------|------|------|------|----------|------|------|------|--|--|
|              | Stony Brook      | Hobbs Brook | City Hall | Harvard Observ. | S. B.           | H. B. | C. H. | H. O. | S. B.    | H. B. | C. H. | H. O. | S. B. | H. B. | C. H. | H. O. | S. B. | H. B. | C. H. | H. O. | S. B. | H. B. | C. H. | H. O. | S. B. | H. B. | C. H. | H. O. | S. B. | H. B. | C. H. | H. O. | S. B.  | H. B. | C. H. | H. O. | S. B.     | H. B. | C. H. | H. O. |         |      |      |      |          |      |      |      |  |  |
| 1            |                  |             |           |                 |                 | 0.05  | 0.05  |       | 0.61     |       | 0.54  |       | 0.25  | 0.15  | 0.23  |       |       | 0.15  |       | 0.15  |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 2            | 0.60             | 0.45        | 0.45      |                 |                 |       |       |       |          |       |       |       |       |       | 0.25  | 0.02  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 3            |                  |             |           |                 | 0.63            | 0.50  | 0.52  | 0.49  | 0.64     | 0.55  | 0.60  |       |       |       |       |       | 0.26  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 4            |                  |             |           |                 |                 |       |       | 0.14  |          |       |       | 1.11  |       |       | 0.05  | T.    |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 5            |                  |             |           |                 |                 |       |       |       |          |       |       |       |       |       |       |       | T.    |       | 0.28  | 0.40  | T.    |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 6            | 0.42             | 0.45        | 0.41      | 0.90            |                 |       |       |       |          |       |       |       | 0.30  | 0.25  | 0.21  |       |       |       | 0.01  | 0.10  | T.    |       |       |       |       |       | 0.50  | T.    |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 7            |                  |             |           |                 | 0.21            | 0.19  | 0.24  |       |          |       |       |       |       |       |       |       | 0.29  | 0.14  | 0.20  | 0.60  |       |       |       |       | 0.38  | 0.82  | 0.45  |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 8            |                  |             |           |                 | 0.95            | 0.91  | 1.06  | 0.91  |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       | T.    |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 9            |                  |             |           |                 |                 |       |       | 0.18  |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 10           |                  |             |           |                 |                 |       |       |       |          |       |       |       |       |       |       |       |       | 0.05  | 0.01  | T.    |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 11           |                  |             |           |                 |                 | 0.14  | 0.11  | 0.13  | 0.14     | 0.10  | 0.15  | 0.25  | T.    | 0.40  | 0.32  | 0.45  | 0.92  | 0.77  | 0.74  | 0.89  | 0.75  |       |       |       |       |       |       | 0.05  |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 12           |                  |             |           | T.              | 0.12            | 0.09  | 0.10  |       |          |       |       | 0.12  |       |       |       |       |       | 0.44  | 0.43  | 0.51  | 0.44  |       |       |       |       |       |       | 0.10  |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 13           |                  |             |           |                 |                 |       |       |       |          |       |       |       |       |       |       |       |       | 1.28  | 1.23  | 1.45  |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 14           |                  |             |           |                 |                 |       |       |       |          |       |       |       | 0.64  | 0.25  | 0.65  | 0.44  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 15           |                  |             |           |                 |                 |       |       | T.    |          |       |       |       |       |       | 0.50  | 0.29  | 0.11  | 0.13  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 16           |                  |             |           |                 |                 |       |       |       |          |       |       |       | 0.41  | 0.25  | 0.31  |       | 0.49  | 0.57  | 0.92  |       | 0.50  | 0.50  | 0.51  | 0.46  |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 17           |                  |             |           |                 | 0.16            | 0.15  | 0.10  | 0.21  |          | 0.05  | 0.22  | 0.33  |       |       |       |       | 0.25  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 18           | 0.27             | 0.25        | 0.32      | 0.01            |                 |       | 0.03  |       |          |       |       |       |       |       |       |       |       | 0.09  |       | 0.06  |       |       |       |       |       | 0.24  | 0.12  | 0.12  |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 19           | 0.66             | 0.80        | 1.03      | 0.99            |                 |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 20           |                  |             |           | 0.01            |                 |       |       |       |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 21           |                  |             |           |                 | 0.26            | 0.15  | 0.27  | 0.30  |          |       |       |       |       |       |       |       | 0.14  |       | 0.10  | 0.35  |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 22           |                  |             |           |                 |                 |       |       |       | 1.05     | 1.00  | 1.01  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 23           |                  |             |           |                 | 0.16            | 0.18  | 0.12  |       |          |       |       | T.    | 0.60  |       |       |       |       | 0.13  | 0.15  | 0.09  | 0.10  |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 24           | 0.60             | 0.40        | 0.82      | 0.20            |                 |       |       | 0.13  |          |       |       |       | 0.05  |       | 0.03  | 0.03  |       | 0.38  | 0.35  | 0.30  | 1.35  |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 25           |                  |             |           |                 |                 |       |       |       |          |       |       |       | 0.79  | 0.75  | 0.80  |       |       | 0.13  | 0.13  | 0.10  |       |       |       | 0.25  | 0.20  | 0.22  |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 26           |                  |             |           | 0.52            |                 |       |       |       |          |       |       |       | 0.79  | 0.75  | 0.80  | 0.82  |       |       |       |       | 0.11  |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 27           | 1.29             | 1.15        | 1.50      | 0.75            |                 |       |       |       | 0.96     | 0.96  | 0.82  | 0.20  | 0.88  | 0.85  | 0.90  | 1.09  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 28           |                  |             |           | 0.51            |                 |       |       |       | 0.14     | 0.14  | 0.12  | 0.70  |       |       |       |       | 0.45  | 0.52  | 0.41  | 0.45  |       | 0.91  | 0.90  | 0.76  | T.    |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 29           |                  |             |           |                 | 0.13            | 0.14  | 0.11  |       |          |       |       |       |       |       |       |       |       | 0.12  | 0.09  | 0.10  | 0.50  | 0.90  |       | 0.05  | 0.82  |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 30           | 1.22             | 1.00        | 1.07      |                 |                 |       |       | 0.09  |          |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
| 31           |                  |             |           | 0.98            |                 | 0.40  | T.    |       |          |       |       |       | 0.20  | 0.05  | 0.22  | 0.08  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |        |       |       |       |           |       |       |       |         |      |      |      |          |      |      |      |  |  |
|              | 5.26             | 4.50        | 5.60      | 4.87            | 2.76            | 2.87  | 2.73  | 2.50  | 3.50     | 2.85  | 3.56  | 2.76  | 5.52  | 5.07  | 5.21  | 5.09  | 4.24  | 4.33  | 5.17  | 4.10  | 4.11  | 3.87  | 3.40  | 3.34  | 0.87  | 1.47  | 0.85  | 1.03  | 3.05  | 3.25  | 2.77  | 2.45  | 4.12   | 3.85  | 3.18  | 1.45  | 3.72      | 2.95  | 2.88  | 3.25  | 5.98    | 5.82 | 6.71 | 0.73 | 2.31     | 2.00 | 2.35 | 2.16 |  |  |

WATER WORKS

Water wasted over Stony Brook Dam as follows:

|            |           |             |         |
|------------|-----------|-------------|---------|
| December,  | 1912..... |             | gallons |
| January    | 1913..... | 102,700,000 | "       |
| February,  | 1913..... | 41,400,000  | "       |
| March,     | 1913..... | 652,600,000 | "       |
| April,     | 1913..... | 809,000,000 | "       |
| May,       | 1913..... | 321,100,000 | "       |
| June,      | 1913..... | 55,000,000  | "       |
| July,      | 1913..... |             | "       |
| August,    | 1913..... |             | "       |
| September, | 1913..... |             | "       |
| October,   | 1913..... |             | "       |
| November,  | 1913..... |             | "       |

The total amount passing the dam during the year was 1,981,800,000 gallons.

TABLE SHOWING COMPARISON BY MONTHS OF THE PRECIPITATION AT STONY BROOK BASIN, HARVARD OBSERVATORY AND CAMBRIDGE CITY HALL; ALSO THE NUMBER OF DAYS IN WHICH RAIN FELL  
AT CITY HALL, DECEMBER 1, 1912, TO DECEMBER 1, 1913

| Point of Observation                         | 1912 Dec. | 1913 Jan. | Feb. | Mar. | Apr. | May  | June | July | Aug  | Sept. | Oct. | Nov. | Total |
|--|-----------|-----------|------|------|------|------|------|------|------|-------|------|------|-------|
| Stony Brook Basin.... Monthly Precipitation. | 5.26      | 2.76      | 3.50 | 5.52 | 4.24 | 4.11 | 0.87 | 3.05 | 4.12 | 3.72  | 5.98 | 2.31 | 45.44 |
| Hobbs Brook Basin... Monthly Precipitation   | 4.50      | 2.87      | 2.85 | 5.07 | 4.33 | 3.87 | 1.47 | 3.25 | 3.85 | 2.95  | 5.82 | 2.00 | 42.83 |
| Harvard Observatory. Monthly Precipitation.  | 4.87      | 2.59      | 2.76 | 5.09 | 4.10 | 3.34 | 1.03 | 2.45 | 1.45 | 3.26  | 6.73 | 2.16 | 39.83 |
| City Hall ..... Monthly Precipitation        | 5.60      | 2.73      | 3.56 | 5.21 | 5.17 | 3.40 | 0.95 | 2.77 | 3.18 | 2.88  | 6.71 | 2.35 | 44.51 |
| No. of days in which rain fell .....         | 7         | 13        | 9    | 13   | 11   | 8    | 5    | 7    | 9    | 9     | 14   | 7    | 112   |



NEW CITY MAP

The old map of the city showing the water pipes and appurtenances was made in 1892, and in many ways had become out of date and misleading. A new map of the entire city upon a scale of 100 feet to an inch and divided into six sections for convenience in hanging, is now being prepared for the use of the Water Department. Three of the sections are now completed and hung, and the remainder are well along toward completion.

Eight hundred and sixty-one dollars and ninety cents have been expended to date on this work.

An examination of the accompanying comparative statement of storage in the reservoirs will show that conditions in this respect are better than at any time since 1908, the gross amount of water stored in the reservoirs January 1, 1914, being 2,675 million gallons as compared with 1,089 million gallons on January 1, 1911. The total yearly rainfall for 1913 was below the average for this vicinity, as it has been since 1902, making it an unprecedentedly long period of low rain fall.

SUMMARY OF SEWERAGE STATISTICS

(In form recommended by Sanitary Section of Boston Society Civil Engineers)  
For the year ending April 1, 1914

CAMBRIDGE, MASSACHUSETTS

GENERAL

|   |                       |
|---|-----------------------|
| Population by census of 1910.....   | 104,839               |
| Total area of city.....   | 6.535 sq. miles       |
| Area served by sewerage system .....  | about 6.000 sq. miles |
| Collection system for sewage only.....                                      | miles                 |
| Collection system for sewage and surface water.....                         | miles                 |
| Collection system for surface water only.....                               | miles                 |
| Method of disposal, discharge into ocean by the Metropolitan (State) sewer. |                       |

COLLECTION

Mains (everything but house and catch basin connections)

|                                      | For sewage only | For sewage and surface water | For surface water only |
|--------------------------------------|-----------------|------------------------------|------------------------|
| Lineal feet extended during the year | 7130.5          | 1251.7                       | 3713.9                 |

Method of flushing .....By use of hydrant hose  
Method of cleaning.....By scraping and flushing

HOUSE CONNECTIONS

|                                  |                    |
|----------------------------------|--------------------|
| By whom made .....               | By property owners |
| Sizes .....                      | 6 inch diameter    |
| Number made during the year..... | 226                |

CATCH BASINS

|   |              |
|---|--------------|
| Number of new ones built .....                          | 31           |
| Number cleaned .....                                    | 1,479        |
| Average amount of material removed per catch basin..... | 1.93 c. yds. |
| Cost of removing material per cubic yard .....          | \$2.18       |
| Cost of removing material per catch basin per year..... | \$4.20       |

DISCHARGE OF SEWAGE

|  |         |
|--|---------|
| Estimated population using sewer system .....      | 106,000 |
| Number of buildings connected (estimated at) ..... | 15,300  |

FINANCIAL

CONSTRUCTION

RECEIPTS

|  |             |
|--|-------------|
| Bonds issued .....                                 | \$31,000 00 |
| Appropriation .....                                | 54,380 82   |
| Assessments not available<br>for expenditure ..... | 8,154 28    |

EXPENDITURES

|                        |             |
|------------------------|-------------|
| Collection Works ..... | \$49,156 14 |
| (a) Mains .....        |             |
| Balance .....          | 5,224 68    |

MAINTENANCE AND OPERATION

RECEIPTS

|                     |             |
|---------------------|-------------|
| Appropriation ..... | \$20,000 00 |
| Sundries .....      | 124 78      |

EXPENDITURES

|                            |            |
|----------------------------|------------|
| Administration .....       | \$4,381 59 |
| Repairs .....              | 1,905 17   |
| Cleaning sewers .....      | 2,223 70   |
| Cleaning catch basins....  | 6,223 28   |
| Flushing sewers .....      | 935 21     |
| Unclassified expenses .... | 4,117 61   |
| Balance .....              | 213 44     |

\$20,124 78

|                         |             |
|-------------------------|-------------|
| Total .....             | \$20,000 00 |
| Interest on bonds ..... |             |
| Sinking fund .....      |             |

GENERAL

Total cost of collecting mains .....

Total cost of works to date ..... \$2,338,455 12

Bonded debt at date .....

Value of sinking fund at date .....

Average rate of interest on bonds 3½ and 4 per cent.

Proportion of cost of system assessed on abutters estimated at 3/4.

Yearly assessment for maintenance, nothing.

Method of assessing abutters and rate of assessment, based on frontage and area of lot within 100 feet of street.

The Engineering Department is organized as follows:

*City Engineer,*

LEWIS M. HASTINGS

*Principal Assistant,*

GEORGE DAVIS

*Assistants,*

HENRY T. BURRAGE, Office Assistant and Draughtsman

G. FRANK HOOKER, in charge of Street Work

EDGAR W. DAVIS, in charge of Sewer Work

*Transitman,*

RAY L. COOLIDGE

*Rodmen,*

HENRY F. ROWE

DONALD REARDON

*Clerk and Stenographer,*

MARY E. ROWEN

*Superintendent of Sewers,*

THOMAS P. O'NEILL

Three temporary assistants in addition to the above have been employed in the department during the summer.

Respectfully submitted,

L. M. HASTINGS,

*City Engineer.*





# REPORT OF SEALER OF WEIGHTS AND MEASURES

Brattle Square, Cambridge, April 11, 1914.

*To the Honorable, the City Council of the City of Cambridge:*

In compliance with the City Ordinance I respectfully submit a report for the Department of Weights and Measures for the year ending March 31, 1914.

Appropriation ..... \$5,176 00

## EXPENDED

### *Salaries of Sealers:*

|                        |            |            |
|------------------------|------------|------------|
| Felix C. McBride ..... | \$1,300 00 |            |
| Emory T. Morris .....  | 1,000 00   |            |
| Hugh H. Healey .....   | 1,100 00   |            |
|                        |            | \$3,400 00 |

### *Assistants:*

|                        |         |        |
|------------------------|---------|--------|
| Hugh E. Carton .....   | \$40 80 |        |
| Edward McBride .....   | 108 00  |        |
| John McElroy .....     | 187 20  |        |
| Michael T. Walsh ..... | 28 80   |        |
| Joseph O'Neil .....    | 283 20  |        |
| Cornelius Dinan .....  | 242 40  |        |
|                        |         | 890 40 |

### *Care of horse:*

|                                  |          |        |
|----------------------------------|----------|--------|
| Street Department for board..... | \$216 00 |        |
| M. Newman, shoeing .....         | 11 27    |        |
| Street Department, shoeing ..... | 3 68     |        |
|                                  |          | 230 95 |

### *Equipments:*

|                                     |        |        |
|-------------------------------------|--------|--------|
| L. A. Stingel, hardware.....        | \$5 64 |        |
| W. & L. E. Gurley, scale.....       | 105 04 |        |
| Union Stamp Works, dies.....        | 18 87  |        |
| A. W. Brownell, 1500 green stickers | 7 84   |        |
| Boston Elevated, car tickets.....   | 40 00  |        |
| N. E. Tel. & Tel. Co., service..... | 22 10  |        |
| Caustic-Claffin Co., books.....     | 32 34  |        |
| Miss Littlefield, typewriting.....  | 3 06   |        |
| City Messenger Department.....      | 6 95   |        |
|                                     |        | 241 84 |

*Appropriation carried forward.....* 5,176 00

*Amount carried forward.....* 4,763 19

|  |            |
|--|------------|
| <i>Appropriation brought forward</i> ..... | \$5,176 00 |
| <i>Amount brought forward</i> .....        | \$4,763 19 |

*Equipments:*

|                                    |        |       |
|------------------------------------|--------|-------|
| Murray & Smith, labor.....         | \$1 08 |       |
| Edward T. Carver, labor .....      | 50     |       |
| The Fairbanks Co., repair on scale | 12 21  |       |
| Lincoln Engraving Co.....          | 3 09   |       |
| William Bowen .....                | 1 96   |       |
| Chadwick & Car. Co., measures...   | 3 32   |       |
| Edwin R. Sage, sundries .....      | 2 97   |       |
| H. C. Dimond & Co., dies.....      | 2 40   |       |
| Chadwick Boston Lead, wire.....    | 5 88   |       |
| Street Department, labor.....      | 30     |       |
| Harvard Co-operative Soc., pencils | 49     |       |
| Moore & Hadley, hardware .....     | 1 74   |       |
|                                    |        | 35 94 |

*Office Incidentals:*

|  |        |       |
|--|--------|-------|
| J. Frank Facey, envelopes.....                     | \$2 45 |       |
| Cambridge Sentinel, advertising..                  | 9 80   |       |
| Hugh H. Healey, trip to Wash-<br>ington, D. C..... | 42 75  |       |
|  |        | 55 00 |

*Repairs on Wagons and Harnesses:*

|                      |         |            |
|----------------------|---------|------------|
| F. H. Kneeland ..... | \$15 15 |            |
| Owen Doherty .....   | 18 58   |            |
|                      |         | 33 73      |
|                      |         | \$4,887 86 |

|                         |            |
|-------------------------|------------|
| Appropriation .....     | \$5,176 00 |
| Expenditures .....      | 4,887 86   |
| Amount unexpended ..... | \$288 14   |

REVENUE

|                                  |            |          |
|----------------------------------|------------|----------|
| Fees for sealing .....           | \$696 98   |          |
| Fees for adjusting .....         | 62 71      |          |
| Weighing fees, Ed. Train .....   | 1 66       |          |
| Weighing fees, W. A. Chyne ..... | 4 43       |          |
|                                  |            | \$765 78 |
| Total amount expended .....      | \$4,887 86 |          |
| Total amount collected .....     | 765 78     |          |
| Net expense of department.....   | \$4,122 08 |          |
| Estimate of revenue .....        | 800 00     |          |

## TESTS MADE AT OFFICE FOR YEAR ENDING MARCH 31, 1914

|   |        |        |
|---|--------|--------|
| Scales sealed .....                       | 847    |        |
| Scales adjusted .....                     | 32     |        |
| Scales condemned .....                    | 49     |        |
|   | <hr/>  | 928    |
| Weights sealed .....                      | 664    |        |
| Weights adjusted .....                    | 38     |        |
| Weights condemned .....                   | 18     |        |
|   | <hr/>  | 720    |
| Dry measures sealed .....                 | 17     |        |
| Liquid measures sealed .....              | 1,389  |        |
| Liquid measures adjusted .....            | 37     |        |
| Liquid measures condemned .....           | 28     |        |
|   | <hr/>  | 1,471  |
| Ice Cream Measures:                       |        |        |
| Sealed .....                              | 41,289 |        |
| Adjusted .....                            | 22     |        |
| Condemned .....                           | 89     |        |
|   | <hr/>  | 41,400 |
| Total number of tests made at office..... |        | 44,519 |

## TESTS MADE OUTSIDE OF OFFICE FOR YEAR ENDING MARCH 31, 1914

|   |        |        |
|---|--------|--------|
| Scales sealed .....                                 | 3,787  |        |
| Scales adjusted .....                               | 749    |        |
| Scales condemned .....                              | 138    |        |
|   | <hr/>  | 4,674  |
| Weights sealed .....                                | 7,785  |        |
| Weights adjusted .....                              | 742    |        |
| Weights condemned .....                             | 121    |        |
|   | <hr/>  | 8,648  |
| Dry measures sealed .....                           | 1,243  |        |
| Dry measures condemned .....                        | 19     |        |
|   | <hr/>  | 1,262  |
| Liquid measures sealed .....                        | 3,429  |        |
| Liquid measures adjusted .....                      | 28     |        |
| Liquid measures condemned .....                     | 97     |        |
|   | <hr/>  | 3,554  |
| Oil pumps sealed .....                              | 98     |        |
| Oil pumps condemned .....                           | 18     |        |
|   | <hr/>  | 116    |
| Yard measures sealed .....                          | 228    |        |
| Yard measures condemned .....                       | 18     |        |
|   | <hr/>  | 246    |
| Platform scales, 5,000 lbs. capacity.....           | 70     |        |
| Platform scales, less than 5,000 lbs. capacity..... | 840    |        |
| Slot weighing scales sealed .....                   | 99     |        |
| Slot weighing scales condemned .....                | 8      |        |
| 25 lb. bags of coal tested.....                     | 1,487  |        |
| Tests made in stores.....                           | 2,349  |        |
| Tests made on street .....                          | 987    |        |
| Reweighing of hay .....                             | 1,648  |        |
|   | <hr/>  |        |
| Total number of tests outside of office.....        |        | 25,988 |
| Total number of tests at office .....               | 44,519 |        |
| Total number of tests outside.....                  | 25,988 |        |
|   | <hr/>  |        |
| Total number of tests made .....                    |        | 70,507 |

## WEIGHTS AND MEASURES DEPARTMENT

*Inventory of Property*

## Standards furnished by the Commonwealth

|  |          |
|--|----------|
| 1 Balance—5 grains to 100 lbs.                               |          |
| 1 Set (5) Avoirdupois Weights, 50-lb., 25-lb., 10-lb., 5-lb. |          |
| 1 Set (11) Avoirdupois Weights, 4 lb. to 1-16 oz.            |          |
| 1 Kilogramme in case.  |          |
| 1 Steel Meter in case.                                       |          |
| 1 Brass Yard Measure.  |          |
| 1 Set (5) Iron Dry Measures, 1/2 bush. to 1 quart.           |          |
| 1 Set (6) Iron Liquid Measures, 1 gallon to 1 gill.          |          |
| 1 Roll Top Desk.   |          |
| 1 Black Walnut Desk.   |          |
| 5 Chairs   |          |
| 1 Table.   |          |
| 1 Clothes Press.   |          |
| 1 Scale Cabinet.   |          |
| 1 Wooden Cabinet.  |          |
| 2 Benches.   |          |
| 1 Sink.  |          |
| 5 Mats.  |          |
| 1 Set Revised Laws.  |          |
| 1 Set Card Records—Oak Case.                                 |          |
| 1 Set Card Index—Oak Case.                                   |          |
| 1 Hektograph.  |          |
| 1 Letter Press.  |          |
| 1 Blotter Bath.  |          |
| Miscellaneous books .....                                    | \$200 00 |
| 1 Bay Horse .....  | 200 00   |
| 1 Express Wagon .....  | 100 00   |
| 1 Light Wagon .....  | 85 00    |
| 1 Pung .....   | 23 00    |
| 2 Harnesses .....  | 70 00    |
| 1 Plush Robe .....   | 6 00     |
| 1 Stable Blanket .....                                       | 2 00     |
| 1 Rain Blanket .....   | 2 00     |
| 1 Woolen Blanket .....                                       | 8 00     |
| 1 Halter .....   | 75       |
| 1 Hitch Weight .....   | 50       |
| 1 Balance Scale .....  | 88 69    |
| 1 Platform Scale, 1/2 to 2,500 lbs.....                      | 75 00    |
| 1 Folding Platform Scale 1-4 lb. to 600 lbs.....             | 30 00    |
| 1 Balance, 1-10 milligramme to 500 grammes.....              | 35 00    |
| 1 Balance, 1-50 grain to 1-2 lb.....                         | 15 00    |
| 1 Sealer's Balance, 1 grain to 100 lbs.....                  | 150 00   |
| 2 Leather tool bags .....                                    | 9 50     |
| 1 Sealer's Balance, 1 grain to 8 lbs.....                    | 50 00    |
| 2 Sealer's Trip Scales (not used).....                       | 5 00     |
| 1 Spring Scale, 1 lb. to 125 lbs.....                        | 1 00     |
| 2 Sets (19) Avoirdupois Weights, 4 lbs. to 1-8 oz.....       | 10 00    |
| 1 Set (9) Troy Weights, 16 oz. to 1-8 oz.....                | 3 00     |
| 1 Set (13) Metric Weights, 1 kilo to 1 gramme.....           | 5 00     |
| 5 Boxes Miscellaneous Weights (not standardized).....        | 10 00    |
| 1 Set (3) Iron Weights, 25-lb., 10-lb., 5-lb.....            | 5 00     |
| 40 50-lb. Weights .....                                      | 100 00   |
| 1 Arch .....   | 2 00     |
| 3 Glass Graduates .....                                      | 1 00     |



|   |            |
|---|------------|
| 1 Set (21) Grain Weights, 1,000 gr. to 1-1000 gr.....     | \$13 50    |
| 1 Set (21) Metric Weights, 50 gram to 1-10.....           | 13 50      |
| 1 Set (5) Copper Dry Measures, 1/2 bushel to 1 quart..... | 45 00      |
| 1 Set (3) Brass Dry Measures, 1 quart to 1/2 pint .....   | 5 00       |
| 2 Sets (14) Copper Liquid Measures, 1 gal. to 1 gill..... | 30 00      |
| 1 Yard Measure .....                                      | 1 50       |
| 1 Iron Truck .....  | 5 00       |
| 1 5-gal. Copper Measure .....                             | 15 00      |
| 1 Steel Tape .....  | 10 00      |
| 1 Pair of Inside Calipers .....                           | 3 50       |
| 1 Set Brands .....  | 3 00       |
| 1 Plumber's Furnace .....                                 | 5 00       |
| Miscellaneous Tools .....                                 | 50 00      |
| 1 Wagon Scale (Lechmere Square) .....                     | 400 00     |
| 1 Wagon Scale (Porter Road) .....                         | 400 00     |
|   | <hr/>      |
|   | \$2,292 44 |

This department has caused ten persons to be summoned to court for violation of laws relating to short weight and measure, and convictions and fines amounting to \$170 have been paid.

A number of inspections have been made during the evening hours.

I would recommend that this department be furnished with a light auto truck.

I wish at this time to thank the Deputy Sealers, Emory T. Morris and Hugh H. Healey, for their valuable assistance and hearty co-operation.

Respectfully submitted,

FELIX C. McBRIDE,

*Sealer of Weights and Measures.*









### SHADE TREES

*Removal Elm Stump, Linnaean Street.*



# REPORT OF BOARD OF PARK COMMISSIONERS

---

*To the Honorable, the City Council of the City of Cambridge:*

Gentlemen:—The Board of Park Commissioners has the honor to submit herewith its twenty-first annual report covering the municipal year, March 31st, 1914, together with the twentieth annual report of the General Superintendent of Parks, as required by Section 5 of the Ordinances establishing a Park Department.

## PLAYGROUNDS.

During the past year the efforts of the Park Commissioners were directed toward providing the city with a comprehensive system of playgrounds. In the report of last year the Commissioners stated that it was their intention to develop at least six large and up-to-date playgrounds, as follows: Thorndike Field, Cambridge Field, Captain's Island, Mill Pond, Rindge Field and Russell Field.

It was also stated in our last report that land adjoining the following school yards was to be laid out for playground purposes: Merrill, Wellington, Houghton, Morse, Roberts, Peabody, Fletcher, Gore and Sleeper.

Most of the work the past year was directed toward fencing and surfacing. A contract was made with the W. A. Snow Iron Works for furnishing about 6,000 running feet of fencing, and the work was completed at Cambridge Field, Wellington, Fletcher, Roberts, Morse and Merrill school yards and a portion of the Mill Pond.

## CAMBRIDGE FIELD.

A new surface was laid on the ball field, the drainage repaired and the ball field enclosed with a fence. A portion of the field adjacent to York Street was laid out as a park, making a much-needed improvement. This field is still lacking in proper equipment for the children and the girls. Bleachers should also be erected on the ball field.

## THORNDIKE FIELD.

This field is the most popular of the city playgrounds. It should be provided with a shelter with proper sanitary arrangements. Plans for such a building will be drawn this year and the Commissioners hope to begin the erection of this building within a short time.

## MILL POND.

Work has already begun on laying out this playground. The field will be resurfaced, a ball field laid out, a shelter erected, and portions of the field set apart for the children and the girls.

## CAPTAIN'S ISLAND.

As there is a crying need for more ball fields in the city it is planned by the Commissioners to lay out at least two new ball fields at this playground.

## RINDGE FIELD.

This is another playground that is always well patronized, but considerable work should be done on the field. The ball field should be relocated and bleachers provided similar to those on Thorndike Field. A portion of the field on the southerly side should be laid out for the children and the girls.

## RUSSELL FIELD.

The Commissioners intend to plan for at least two regulation ball diamonds outside the enclosed portion of this field, but this work will not be attempted for some time. The enclosed portion is used exclusively by the students of the Rindge and Latin Schools during the school season. It is one of the best athletic fields in this country. The addition of another locker building, with proper sanitary arrangements, would complete this field. The Commissioners have allowed the schools to retain the income derived from the field so far, but as its popularity increases it is our intention to insist that the city be reimbursed for the amount of money expended on the field.

## PLAYGROUND IN WARD EIGHT.

Provision has been made for a playground on the land adjacent to the Charles River, between Western Avenue and Boylston Street.

## PLAYGROUND IN WARD TEN.

There is a very urgent demand for a playground in Ward Ten. The Commissioners have inspected several sites, and if an appropriation is made for this purpose a large playground will be provided for this section. The Commissioners also strongly recommend that the lot at the corner of Walker and Linnaean Streets, adjoining the Peabody School, be purchased.

## CHARLES RIVER PARKWAY.

This year will see the completion of Section E, connecting Western Avenue and River Street. The work has been extremely difficult and its completion will be greatly appreciated by the large number of autoists who use the parkway. With the completion of Section E it is our intention to provide a new surface for Sections F and G. After that our efforts will be directed toward providing a proper roadway between Harvard and Cambridge Bridges.

## MAGAZINE BEACH BATH HOUSE.

The bath house at this beach is in a deplorable condition. The building should be torn down and a new structure erected.

## GRANOLITHIC WALKS.

The Commissioners strongly recommend that an amount sufficient be allowed each year for granolithic walks. The board walks are not only an item of expense but also a source of danger.

## SCHOOL GARDENS.

The Park Commissioners and the School Board are co-operating in the development of school gardens. There is a splendid opportunity to utilize the land at the foot of Pearl Street for this work.



## FINANCIAL STATEMENT.

## PARK LOANS

|   |             |
|---|-------------|
| Amount of unused balance of 1912 appropriation reappropriated |             |
| May 15, 1913 .....  | \$25,627 51 |

## PLAYGROUND LOANS—CONSTRUCTION AND EQUIPMENT

|   |             |
|---|-------------|
| Amount of unused balance of 1912 appropriation reappropriated |             |
| May 15, 1913.....   | \$6,358 93  |
| Amount appropriated May 27, 1913.....                         | 25,000 00   |
|   | <hr/>       |
|   | \$31,358 93 |

## PLAYGROUND LOANS—PURCHASE OF LAND

|   |          |
|---|----------|
| Amount of unused balance of 1912 appropriation reappropriated |          |
| May 15, 1913 .....  | 3,765 00 |

## PARK MAINTENANCE

## General:

|  |             |           |
|--|-------------|-----------|
| Amount appropriated May 6, 1913.....                                     | \$23,110 00 |           |
| Amount appropriated July 7, 1913.....                                    | 3,500 00    |           |
|  | <hr/>       |           |
|  | \$26,600 00 |           |
| Amount transferred July 25, 1913, to Maintenance, Street Department..... | 432 00      |           |
|  | <hr/>       |           |
|  |             | 26,178 00 |

## Forestry:

|                                      |  |           |
|--------------------------------------|--|-----------|
| Amount appropriated May 6, 1913..... |  | 15,500 00 |
|--------------------------------------|--|-----------|

## Salaries:

|   |            |          |
|---|------------|----------|
| Amount appropriated May 6, 1913.....  | \$2,800 00 |          |
| Amount transferred November 29, 1913, from Maintenance, Playground Salaries ..... | 50 25      |          |
|   | <hr/>      |          |
|   |            | 2,850 25 |

## PLAYGROUND MAINTENANCE

## General Expenses:

|                                      |  |        |
|--------------------------------------|--|--------|
| Amount appropriated May 6, 1913..... |  | 700 00 |
|--------------------------------------|--|--------|

## Salaries:

|   |            |          |
|---|------------|----------|
| Amount appropriated May 6, 1913.....                                      | \$3,000 00 |          |
| Amount transferred November 29, 1913, to Park Maintenance, Salaries ..... | 50 25      |          |
|   | <hr/>      |          |
|   |            | 2,949 75 |

During the year bills payable from Park Loans have been approved by the Board and certified to the Auditor to the total amount of \$11,907.38, as follows:—



## PARK LANDS AND CONSTRUCTION

|                            |          |             |
|----------------------------|----------|-------------|
| River Parkway, Section A:  |          |             |
| Construction account ..... | \$698 33 |             |
| River Parkway, Section B:  |          |             |
| Construction account ..... | 47 94    |             |
| River Parkway, Section C:  |          |             |
| Construction account ..... | 5,731 59 |             |
| River Parkway, Section D:  |          |             |
| Construction account ..... | 1,015 52 |             |
| River Parkway, Section E:  |          |             |
| Construction account ..... | 4,370 25 |             |
| River Parkway, Section F:  |          |             |
| Construction account ..... | 43 75    |             |
|                            | <hr/>    |             |
| Amount expended .....      |          | \$11,907 38 |
| Balance unexpended .....   |          | 13,720 13   |
|                            |          | <hr/> <hr/> |

During the year bills payable from Playground Loans have been approved by the Board and certified to the Auditor as follows:—

|                             |           |             |
|-----------------------------|-----------|-------------|
| Land for Playgrounds:       |           |             |
| Land account .....          | \$750 00  |             |
| Russell Field:              |           |             |
| Construction account .....  | 6,074 39  |             |
| Construction and Equipment: |           |             |
| Construction account .....  | 23,485 09 |             |
|                             | <hr/>     |             |
| Amount expended .....       |           | \$30,309 48 |
| Balance unexpended .....    |           | 4,814 45    |
|                             |           | <hr/> <hr/> |

A detailed classification of the expenditures will be found in the report of the General Superintendent.

Since the beginning of the work in 1893, there has been expended to date of money raised under Park and Esplanade Loans the sum of \$1,650,654.31.

The division is as follows:—

|                            |              |            |              |
|----------------------------|--------------|------------|--------------|
| River Parkway, Section A:  |              |            |              |
| Construction account ..... | \$181,659 17 |            |              |
| Land account .....         | 9,416 83     |            |              |
|                            | <hr/>        |            | \$191,076 10 |
| River Parkway, Section B:  |              |            |              |
| Construction account ..... | \$111,578 26 | 111,578 26 |              |
| River Parkway, Section C:  |              |            |              |
| Construction account ..... | 129,044 45   |            |              |
| Land account .....         | 31,701 08    |            |              |
|                            | <hr/>        |            | 160,745 53   |
| River Parkway, Section D:  |              |            |              |
| Construction account ..... | \$129,826 24 |            |              |
| Land account .....         | 95,047 25    |            |              |
|                            | <hr/>        |            | 224,873 49   |

## Section E:

|                            |            |             |
|----------------------------|------------|-------------|
| Construction account ..... | \$5,641 02 |             |
| Land account .....         | 67,145 00  |             |
|                            |            | <hr/>       |
|                            |            | \$72,786 02 |

## Section F:

|                            |             |            |
|----------------------------|-------------|------------|
| Construction account ..... | \$69,956 59 |            |
| Land account .....         | 67,491 62   |            |
|                            |             | <hr/>      |
|                            |             | 137,448 21 |

## Section G:

|                            |              |            |
|----------------------------|--------------|------------|
| Construction account ..... | \$121,117 78 |            |
| Land account .....         | 86,824 82    |            |
|                            |              | <hr/>      |
|                            |              | 207,942 60 |

## Section H:

|                            |             |           |
|----------------------------|-------------|-----------|
| Construction account ..... | \$13,135 30 | 13,135 30 |
|----------------------------|-------------|-----------|

## River Parkway, Delta, Cambridge Bridge:

|                            |        |        |
|----------------------------|--------|--------|
| Construction account ..... | 927 83 | 927 83 |
|----------------------------|--------|--------|

## Rebuilding Sea Walls:

|                            |           |           |
|----------------------------|-----------|-----------|
| Construction account ..... | 10,887 89 | 10,887 89 |
|----------------------------|-----------|-----------|

## Cambridge Field:

|                            |            |            |
|----------------------------|------------|------------|
| Construction account ..... | 128,513 59 |            |
| Land account .....         | 78,884 85  |            |
|                            |            | <hr/>      |
|                            |            | 207,398 44 |

## East Cambridge Embankment:

|                            |              |            |
|----------------------------|--------------|------------|
| Construction account ..... | \$102,897 93 |            |
| Land account .....         | 45,231 40    |            |
|                            |              | <hr/>      |
|                            |              | 148,129 33 |

## General Account:

|                            |             |           |
|----------------------------|-------------|-----------|
| Construction account ..... | \$55,352 45 | 55,352 45 |
|----------------------------|-------------|-----------|

## Rindge Field:

|                            |           |           |
|----------------------------|-----------|-----------|
| Construction account ..... | 19,307 86 |           |
| Land account .....         | 31,461 95 |           |
|                            |           | <hr/>     |
|                            |           | 50,769 71 |

## Office Expenses:

|                            |             |           |
|----------------------------|-------------|-----------|
| Construction account ..... | \$15,915 29 | 15,915 29 |
|----------------------------|-------------|-----------|

## Broadway:

|                            |           |           |
|----------------------------|-----------|-----------|
| Construction account ..... | 11,635 27 | 11,635 27 |
|----------------------------|-----------|-----------|

## Nursery:

|                            |          |          |
|----------------------------|----------|----------|
| Construction account ..... | 9,240 49 | 9,240 49 |
|----------------------------|----------|----------|

## Improvements at Rindge Field:

|                            |          |          |
|----------------------------|----------|----------|
| Construction account ..... | 7,788 98 | 7,788 98 |
|----------------------------|----------|----------|

## Hastings Square:

|                            |          |           |
|----------------------------|----------|-----------|
| Construction account ..... | 2,683 07 | 2,683 07. |
|----------------------------|----------|-----------|

## Baths and Lockers:

|                            |          |          |
|----------------------------|----------|----------|
| Construction account ..... | 2,500 00 | 2,500 00 |
|----------------------------|----------|----------|

## Winthrop Square:

|                            |          |          |
|----------------------------|----------|----------|
| Construction account ..... | 1,866 26 | 1,866 26 |
|----------------------------|----------|----------|

## Shower Baths and Heating Apparatus, Rindge Field:

|                            |          |          |
|----------------------------|----------|----------|
| Construction account ..... | 1,891 10 | 1,891 10 |
|----------------------------|----------|----------|

## Dana Square:

|                            |          |          |
|----------------------------|----------|----------|
| Construction account ..... | 1,111 42 | 1,111 42 |
|----------------------------|----------|----------|

|   |          |                |
|---|----------|----------------|
| Mill Pond:  |          |                |
| Construction account .....  | \$999 97 | \$999 97       |
| Fort Washington:  |          |                |
| Construction account .....  | 929 79   | 929 79         |
| Washington Elm:   |          |                |
| Construction account .....  | 466 98   | 466 98         |
| Memorial Gateway, Cambridge Common:   |          |                |
| Construction account .....  | 565 07   | 565 07         |
| Porter Square:  |          |                |
| Construction account .....  | 20 87    | 20 87          |
| Floating Bath House:  |          |                |
| Construction account .....  | 4,483 28 | 4,483 28       |
|   |          | <hr/>          |
|   |          | \$1,655,148 70 |
| Less Park Revenue for 1894 and 1896 merged into land and<br>construction accounts ..... |          | 4,494 39       |
|   |          | <hr/>          |
|   |          | \$1,650,654 31 |

Of the whole amount of Park Loans expended to April 1st, 1914, 31 per cent. has been for land and 69 per cent. for construction, as follows:—

|                                   |                |
|-----------------------------------|----------------|
| Land account (less revenues)..... | \$508,710 31   |
| Construction account .....        | 1,141,944 00   |
|                                   | <hr/>          |
|                                   | \$1,650,654 31 |

Respectfully submitted,

DANIEL A. BUCKLEY,  
JOHN T. SHEA,  
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JOHN J. AHERN,  
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*Park Commissioners.*



# REPORT OF GENERAL SUPERINTENDENT OF PARKS

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CAMBRIDGE, MASS., April 1, 1914.

*To the Board of Park Commissioners, City of Cambridge:*

*Gentlemen:*—I have the honor to submit my eighth annual report as General Superintendent of Parks covering the financial year from April 1, 1913, to April 1, 1914.

## SECTION A.

The area of this section is 9.07 acres. It extends from the southerly line of Main Street to the westerly line of the third street east of Massachusetts Avenue.

This year the balance of \$481.79, due on the iron fence erected on this section in 1912, was paid to the Snow Iron Works Company.

The only other work done during the season was the repairing of the 30-ft. roadway between Wadsworth and Main Streets. Last year the 80-ft. space between Wadsworth and Main Streets was covered with loam, the intention being to seed and plant it later. Up to the present time, nothing has been done in this respect. This work should be completed the coming season as this spot is a very conspicuous one.

The total cost of lighting this section for the year was \$716.36. The system of lighting the roadway was changed from naphtha lamps, owned and operated by the Welsbach Street Lighting Company, to electric lights, owned and operated by the Cambridge Electric Light Company. This latter system has proven entirely satisfactory.

## SECTION B.

This section covers 19.72 acres. It extends from the westerly line of the third street east of Massachusetts Avenue to the westerly line of the fourth street west of the avenue.

On account of the small appropriation, this is practically the only



section that received any attention this year. Two gardeners were employed on the grounds about one-half the year.

That part of the 30-ft. roadway on this section received one coat of Tarvia B and a covering of sand. The coming of Technology necessitated the closing of Vassar Street, the only available street in this section for heavy teaming. The only resource then left was the park road or Albany Street. Consequently, on October, 1913, this 30-ft. roadway between Massachusetts Avenue and the Cambridge Bridge, was opened for heavy teaming, and because of such opening the roadway is now in a very bad condition, as it was never constructed for such traffic.

I would recommend that this roadway be built with a permanent pavement, and that the 40-ft. roadway on the other side be built for pleasure driving. In my opinion, this would solve the problem for all concerned.

The total cost for lighting this was \$671.73.

### SECTION C.

There are 38.31 acres in Section C. It extends from the west line of the fourth street west of Massachusetts Avenue to the east line of Brookline Street.

The principal work done this year was that of building about 2,800 feet of the Tarvia macadam road from the foot of the elevation to Section B. It is necessary that considerable more work be done before this section is completed. As a matter of fact, the work ought to be completed this year, as the Gray Davis Company and the Ford Motor Company have already erected two magnificent buildings, costing in the neighborhood of \$900,000, and undoubtedly, other such concerns would be induced to settle here if the parkway were in a more sightly and, in general, better condition.

Cracked stone for this work was furnished by W. J. McCarthy Company, at \$1.35 per ton, delivered.

It should be noted that the Ford Motor Company was granted permission to build a concrete entrance to their building on park property at the corner of Brookline Street and the park road.

### SECTION D.

Section D extends over 38.31 acres, from the west line of Brookline Street to the south line of River Street.

The 40-ft. roadway on this section received one coat of Tarvia B and a covering of sand.

The small angular lot west of the Riverside boat house was loamed, graded and seeded.

About 1,500 loads of filling were received on the lot east of the ball field, without any cost to the city. It will require about 5,000 more yards to bring this lot to sub-grade. When this is completed, there will be two more diamonds on this field, something that is needed very much in this section of the city.

The bath house was open seven days each week from June 15, 1913, to August 30, 1913, with the following attendants:

Two lifeguards, two men in the men's bath house, one man in the locker house, one woman in the women's bath house, and one woman selling tickets. One man was employed as a relief man so that regular employees might have a day free each week. One extra woman was employed two days a week so that each regular woman employee might also have a day free each week.

The laundry work was done by the Cambridge Laundry Company. Their rates were as follows:

\$3.75 per hundred suits.  
.75 per hundred stockings.  
1.00 per hundred towels.

The ball field received the usual attention during the year.

The usual care was not given this section during the year, it being impossible to do so on account of the small appropriation granted.

## SECTION E.

Area 1.77 acres. Section E extends from the north line of River Street to the east of Western Avenue.

Work was commenced on this section on October 27th, and continued until January.

It required the excavating of about  $2\frac{1}{2}$  ft. of clay, which was carted to Section D, part of it placed on the ball ground, the rest on the lot east of the Riverside Boat Club. About 2,000 yards of this was removed. One hundred and forty-two feet of coping was laid on the sea wall commencing at River Street. The balance of this coping is granolithic. It is expected that this section will be completed and opened for public traffic by the latter part of August.

## SECTION F.

Area 13.89 acres. Section F extends from the north line of Western Avenue to the east line of Boylston Street. On account of no appropriation being made, care could not be given the grounds or shrubs on this section. The only noticeable work done was the patching of the 40-ft. roadway. The beach was widened about 100 feet between Plympton Street and the Weld boat house, the intention being to make a small playground here. All the material required was furnished by the George A. Fuller Construction Company. The grading was also done by this construction company at the same time without any cost to the city.

## SECTIONS G AND H.

Section G extends over 16.07 acres, while Section H covers 1.44 acres.

On account of no appropriation being made, no work could be done during the year.

## LONGFELLOW PARK.

There are 2.14 acres in this park.

The \$250 appropriation for this park was spent taking care of the grass, shrubs and trees. As I have mentioned on previous occasions, this appropriation is not sufficient to give this park the care necessary, and it is to be hoped that the city government will be more liberal in their appropriation the coming year.

This park should certainly receive as good care now that it is under the care of the city of Cambridge as it did when it was cared for by a private association. To give it this care, \$500 will be needed.

## CAMBRIDGE COMMON.

The customary care was given this common during the season, two men being constantly employed during the summer months caring for the grass, trees, shrubs, etc.

The Daughters of the Revolution erected a magnificent flagpole on the small area on the easterly side of the entrance to the subway. There was a balance of \$274, which the Daughters of the Revolution turned over to the city to have a walk built and the grounds repaired



and shrubs planted. It is anticipated that this work will be done in the spring.

As I have mentioned in my report of the last few years, the board walks should be eliminated and granolithic ones laid, as they are in a deplorable condition.

#### PUBLIC LIBRARY.

The public library was given the usual care and attention, one man being employed to do the general gardening work on these grounds.

#### FORT WASHINGTON AND HASTINGS SQUARE.

These squares received the same care and attention as they have received on previous years.

#### CITY HALL.

The grounds surrounding City Hall received one coat of sub soil, were fertilized and were taken care of in the usual manner. The present sod has been on the grounds for over 20 years and consequently is becoming overrun by weeds. I would recommend that it be reseeded so as to have a new lawn.

#### DANA SQUARE.

Since the reconstruction of the square in 1912, this spot has been one of the most beautiful of its kind in the city. The usual care and attention was given it during the season.

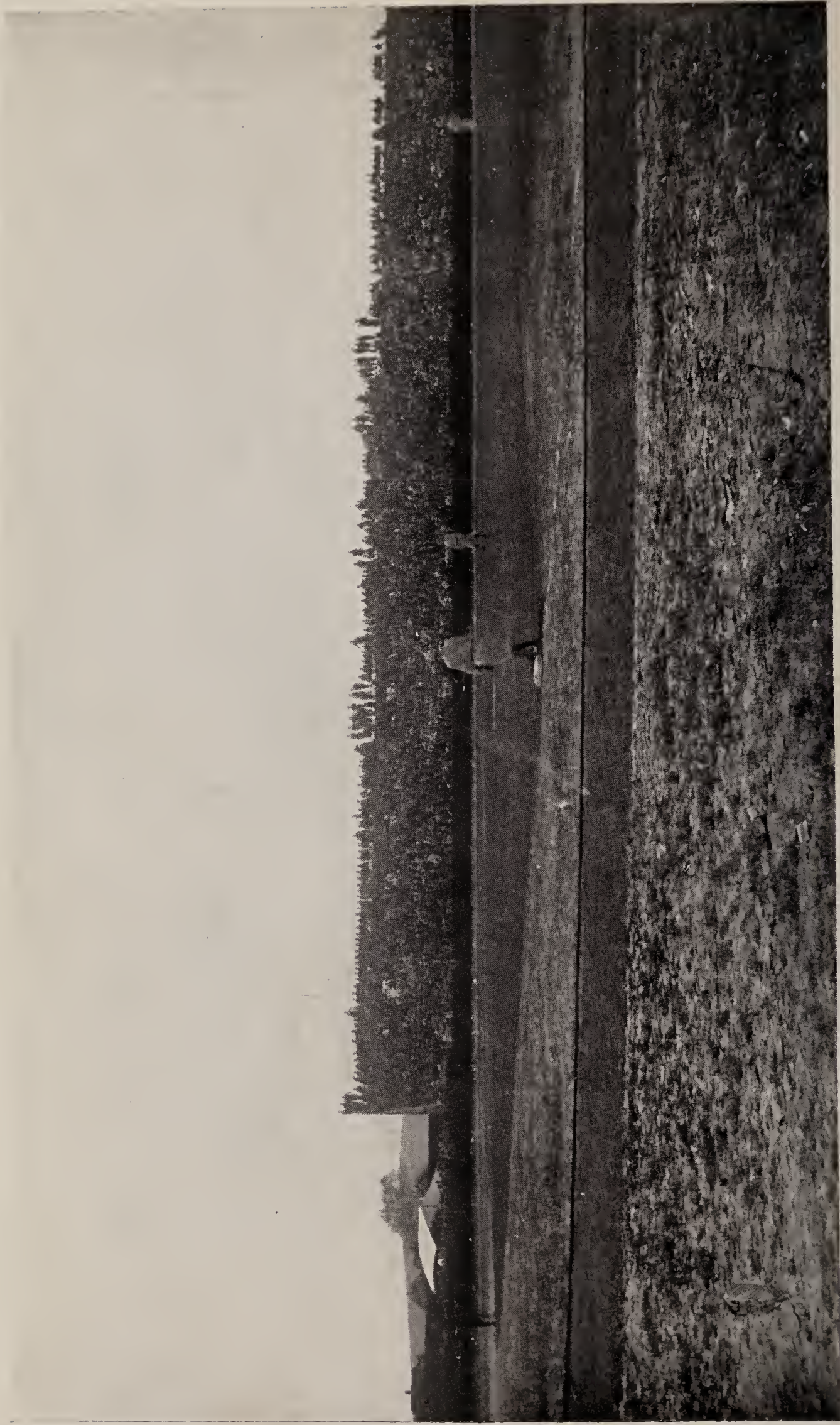
#### BROADWAY COMMON.

This common is coming back to its normal condition since the playground has been set apart from the remainder of the common. It is hoped that with the proper care and attention given it that it will soon be brought to as good a condition as it was in before the playground was laid out.

All the lawns were seeded and rolled and the wire fences put up to protect the lawns.







OPENING OF RUSSELL FIELD

*May 30, 1913.*



## HENDERSON SQUARE.

The grass and shrubs on the square received proper care and attention during the season.

## EAST CAMBRIDGE EMBANKMENT.

The floating bath house was opened on June 21st and was closed September 3rd. It still continues to be very popular. It is very necessary that there should be such a bath house in this section of the city and it is needless to say that much good is being done for the people living in this vicinity.

## RINDGE FIELD.

Area, 11.28 acres. The customary work was done during the year, the ball field being rolled, and it still continues to be the favorite field for both football and baseball as well as skating in the winter season.

The new lawn tennis court was laid out at the northeast corner and is very well patronized.

The new hockey rink was completed at a cost of \$60.68 and was well patronized by the hockey teams of the different schools.

A new fire extinguisher was placed in the building.

## THORNDIKE FIELD.

The only new work done was the placing of awnings over the swings.

The iron fence around this field should receive a coat of paint the coming season if the appropriation will allow.

The field was rolled twice during the season; two new drinking fountains were installed and one man was kept constantly on the grounds.

## BROWN TAIL AND GYPSY MOTH WORK.

The ordinary work was done on the brown tail and gypsy moths and the elm leaf beetle exterminator. Many private estates were cleaned of the gypsy and brown tail moths during the winter months; 5,448 street trees were cleaned. Up to the last year we have had these moths well under control, but during the time they were in flight, from

about the eighth to the fifteenth of July, a greater number of the brown tail moths came to Cambridge from the neighboring towns, consequently the expense of doing the moth work this year was almost 50 per cent. larger than it has been for the past three years. It seems too bad that this city should have this difficulty to contend with while the department makes a thorough cleaning every winter and during the season when these moths are crawling we have little or no trouble from them.

Several complaints were made at this office on account of a larger charge being made for this work than has been made in previous years, but the department is in no way to blame for this extra charge because it has no way of compelling its neighbors to clean their trees of these moths in the proper season, as it is a function of the State authorities and it seems a shame that Cambridge, paying \$50,000 a year for so-called protection against moths, should not receive real protection.

All the trees were sprayed with arsenate of lead commencing about May 18th and finishing between the 10th and 15th of June.

As stated in my report of last year, the leopard moth still continues all over the city. Not only have the street trees and those other trees under the control of the city, but several private ones have been badly infested with these moths. So far, no practical remedy has been found to combat this pest.

## SHADE TREES.

The special appropriation of \$1,000 was used in caring for the 138 trees on Massachusetts Avenue between Waterhouse Street and Porter Station. The brick was removed for a distance of 6 to 10 ft. long and 4 to 6 ft. wide, according to the dimensions of the tree. All the poor material was removed without injury to the roots and replaced with good loam. This undoubtedly will be a great benefit to these trees, as it gives a better opportunity for the water to get to the roots. Several of the citizens while watering their lawns in the dry season very kindly water these trees and consequently the trees appear to be very much improved.

There were 194 trees trimmed, 65 dead trees removed, 191 stumps taken out and 43 heads, and 568 trees planted.

The general condition of the trees throughout the city seems to



be fair, with the exception of our old elms, a certain amount of which die each year. This is too bad, but with our new macadam streets and granolithic sidewalks, which carry all the surplus water to the sewer instead of allowing it to get to the roots of the trees, with our gas pipes underneath and our telephone wires running over head, the brown tail and gypsy moths, the elm leaf beetle, and worst of all, the leopard moth, these circumstances cannot be wondered at.

I would recommend that if the appropriation be large enough that 1,000 new trees be planted every year.

### WASHINGTON ELM.

Under the direction of Professor Sargent of the Arnold Arboretum, all the dead wood in the large cavity on the north side of this historic tree was removed by scraping about  $2\frac{1}{2}$  inches deep and by administering two coats of coal tar. It received similar treatment about 16 years ago. This shows that it is decaying  $2\frac{1}{2}$  inches in 16 years. It was sprayed twice during the season and some small dead wood was removed from the top branches.

I wish to extend my sincere thanks to Professor Sargent for his services and kind advice in regard to the protection of this tree.

### CONSTRUCTION AND EQUIPMENT OF PLAYGROUNDS.

The appropriation for the construction and equipment of playgrounds was \$25,000. The first playground under construction was Cambridge Field. In July, 1912, a contract was made with the W. A. Snow Iron Works of Boston for about 6,000 lineal feet of chain link fence at \$1.69 per foot.

This is now one of the best fences for playground purposes ever erected in this part of the country. It took about 1,716 feet to cover the Cambridge Field.

A new surface of about 8 inches of the best yellow loam was put on the ball field, the loam being furnished, under contract, by the Beatty Construction Company at \$1.10 per cubic yard. It took about 2,637 cubic yards to cover it. The surface was rolled and if it were not for the dust this would be an excellent surface. The dust could be easily eliminated, however, by oiling the field.

The following is a list of the school yards that have been fenced and loamed during the year:

|                         | Feet of Fence | Cubic Yards of Loam |
|-------------------------|---------------|---------------------|
| Merrill School .....    | 700           | 435                 |
| Wellington School ..... | 484           | 158                 |
| Fletcher School .....   | 387           | 165                 |
| Morse School .....      | 385           | 221                 |
| Peabody School .....    | 272           |                     |

At the Sleeper School, 200 feet of iron fence, 4½ ft. high, was erected on the entrance at Norris Street to the playground. This was done for a protection to the owners of property on that street, as the boys, going to and from the playground, annoyed those on either side by running over their lawns.

### RUSSELL FIELD.

Although this is practically a new field, it was necessary to do considerable work on it during the year. A new walk was built from the entrance at Dudley Street to the northwest corner about 540 feet long and 20 feet wide. The loam was removed and a graveled surface was put on. It was also rolled. A new water system was installed, two new drinking fountains set up, two ticket offices erected, two temporary toilets built, a new 8-ft. gate cut in the fence on the northwest corner, in order to make the access and exit to and from the bleachers wider at this point, eight new concrete steps put at the base of the bleachers, two new players' benches erected, a back-stop reinforced, a new catch basin built for surface water, two strands of barbed wire placed on top of the fence all around the field in order to prevent intruders from entering, two flag poles set up, the flags being presented by the schools, and three runways for gates were made.

It became necessary to plank underneath the fence all around the field to keep the small boys from crawling in. About 2,600 yards of filling were placed under the grandstand.

About 10,000 square feet were leveled and graded outside the fence, and it is to be hoped that there will be a diamond here for the smaller boys.

### CAMBRIDGE FIELD AND SHELTER.

The usual work of maintenance was carried on during the year, four men being employed to take care of the grass, shrubs, etc.

One new manhole was built in order to give an opportunity to







## SHOWING BLEACHERS

*Opening Russell Field, May 30, 1913.*



clean the drain which runs from the ball field to the sewer in Cambridge Street. A new fire extinguisher was placed in the shelter.

The shower baths still continue to be well patronized, as the following table will show :—

|                     | Men    | Women  | Boys   | Girls |
|---------------------|--------|--------|--------|-------|
| 1913. April .....   | 2,941  | 843    | 2,091  | 356   |
| May .....           | 3,219  | 1,019  | 2,430  | 294   |
| June .....          | 4,163  | 1,034  | 2,613  | 380   |
| July .....          | 4,782  | 1,033  | 2,942  | 394   |
| August .....        | 4,619  | 1,024  | 3,011  | 406   |
| September .....     | 3,633  | 1,203  | 3,014  | 468   |
| October .....       | 3,316  | 1,112  | 2,811  | 179   |
| November .....      | 2,632  | 1,045  | 2,160  |       |
| December .....      | 2,315  | 918    | 1,409  |       |
| 1914. January ..... | 2,138  | 841    | 1,186  |       |
| February .....      | 1,968  | 832    | 918    |       |
| March .....         | 1,471  | 849    | 1,028  |       |
|                     | <hr/>  | <hr/>  | <hr/>  | <hr/> |
|                     | 37,197 | 11,753 | 25,613 | 2,377 |

Grand total, 76,934.

## THE YEAR'S EXPENDITURES.

The expenses of the department for the financial year of 1913 are shown in the following summary of the departmental accounts :—

### PARK LOANS

(Lands and Construction)

Amount of unused balance of 1912 appropriation reappropriated

May 15, 1913 ..... \$25,627 51

### EXPENDED

#### Section A:

|                             |          |          |
|-----------------------------|----------|----------|
| Payment on iron fence ..... | \$481 79 |          |
| Pay-rolls .....             | 186 54   |          |
| Teaming .....               | 30 00    |          |
|                             | <hr/>    | \$698 33 |

#### Section C:

|                            |            |          |
|----------------------------|------------|----------|
| Cracked stone .....        | \$2,551 52 |          |
| Tarvia .....               | 1,672 81   |          |
| Pay-rolls .....            | 1,326 71   |          |
| Teaming .....              | 138 00     |          |
| Lumber .....               | 19 60      |          |
| Hardware, tools, etc. .... | 10 61      |          |
| Advertising .....          | 7 84       |          |
| Kerosene oil .....         | 4 50       |          |
|                            | <hr/>      | 5,731 59 |

|                                |            |             |
|--------------------------------|------------|-------------|
| Amounts carried forward L..... | <hr/>      | <hr/>       |
|                                | \$6,429 92 | \$25,627 51 |

|                               |            |            |             |
|-------------------------------|------------|------------|-------------|
| Amounts brought forward ..... |            | \$6,429 92 | \$25,627 51 |
| Section D:                    |            |            |             |
| Pay-rolls .....               | \$503 48   |            |             |
| Loam .....                    | 414 04     |            |             |
| Teaming .....                 | 54 00      |            |             |
| Tarvia .....                  | 42 00      |            |             |
| Gravel .....                  | 2 00       |            |             |
|                               |            | 1,015 52   |             |
| Section E:                    |            |            |             |
| Pay-rolls .....               | \$2,424 84 |            |             |
| Teaming .....                 | 1,432 50   |            |             |
| Repairing sea wall .....      | 283 20     |            |             |
| Cinders .....                 | 205 00     |            |             |
| Hardware, tools, etc. ....    | 20 82      |            |             |
| Lumber .....                  | 3 89       |            |             |
|                               |            | 4,370 25   |             |
| Section F:                    |            |            |             |
| Payrolls .....                |            | 43 75      |             |
| Section B:                    |            |            |             |
| Rebate granolithic walk ..... |            | 47 94      |             |
|                               |            |            |             |
| Total amount .....            |            |            | 11,907 38   |
|                               |            |            |             |
| Balance unexpended .....      |            |            | \$13,720 13 |

PLAYGROUND LOANS

CONSTRUCTION—LAND FOR PLAYGROUNDS

|   |          |            |
|---|----------|------------|
| Amount of unused balance of 1912 appropriation reappropriated |          |            |
| May 15, 1913 .....  |          | \$3,765 00 |
|   |          |            |
| EXPENDED.   |          |            |
| Land at entrance Russell Field.....                           | \$750 00 |            |
| Total amount .....  |          | 750 00     |
|   |          |            |
| Balance unexpended .....                                      |          | \$3,015 00 |

CONSTRUCTION AND EQUIPMENT—RUSSELL FIELD

|   |            |            |
|---|------------|------------|
| Amount of unused balance of 1912 appropriation reappropriated |            |            |
| May 15, 1913 .....  |            | \$6,074 39 |
|   |            |            |
| EXPENDED.   |            |            |
| Final payment on contract.....                                | \$5,968 75 |            |
| Pay-rolls .....   | 74 79      |            |
| Pipe for flag staff .....                                     | 19 70      |            |
| Connecting sewer .....  | 11 00      |            |
| Incidentals .....   | 15         |            |
|   |            |            |
| Total amount .....  |            | 6,074 39   |

## CONSTRUCTION AND EQUIPMENT—PLAYGROUNDS

|   |             |
|---|-------------|
| Amount of unused balance of 1912 appropriation reappropriated |             |
| May 15, 1913 .....  | \$284 54    |
| Amount appropriated May 27, 1913.....                         | 25,000 00   |
|   | <hr/>       |
|   | \$25,284 54 |

## EXPENDED.

## CAMBRIDGE FIELD

|                   |            |            |
|-------------------|------------|------------|
| Loam .....        | \$4,928 48 |            |
| Iron fence .....  | 2,900 89   |            |
| Payrolls .....    | 1,527 62   |            |
| Teaming .....     | 90 00      |            |
| Drainage .....    | 29 44      |            |
| Advertising ..... | 13 96      |            |
|                   | <hr/>      | \$9,490 39 |

## RUSSELL FIELD

|                               |            |          |
|-------------------------------|------------|----------|
| Payrolls .....                | \$1,466 57 |          |
| Lockers in building .....     | 568 00     |          |
| Teaming .....                 | 453 31     |          |
| Installing water system ..... | 296 05     |          |
| Installing sewer system ..... | 293 28     |          |
| Gravel .....                  | 247 07     |          |
| Building fence, etc.....      | 89 23      |          |
| Lumber .....                  | 43 18      |          |
| Netting .....                 | 41 63      |          |
| Flagstaffs .....              | 25 00      |          |
| Drainage .....                | 27 51      |          |
| Hardware, tools, etc.....     | 27 01      |          |
| Screens for windows.....      | 18 00      |          |
| Installing gas system .....   | 100 59     |          |
|                               | <hr/>      | 3,696 43 |

## GENERAL EXPENSES.

|                           |            |          |
|---------------------------|------------|----------|
| Steam roller .....        | \$2,250 00 |          |
| Coal .....                | 34 28      |          |
| Advertising .....         | 26 95      |          |
| Payrolls .....            | 18 00      |          |
| Hardware, tools, etc..... | 16 99      |          |
|                           | <hr/>      | 2,346 22 |

## MERRILL SCHOOL YARD

|                  |            |          |
|------------------|------------|----------|
| Iron fence ..... | \$1,183 51 |          |
| Loam .....       | 479 82     |          |
| Payrolls .....   | 311 76     |          |
| Teaming .....    | 72 00      |          |
| Drainage .....   | 26 27      |          |
|                  | <hr/>      | 2,073 36 |

|                               |       |             |       |             |
|-------------------------------|-------|-------------|-------|-------------|
| Amounts carried forward ..... | <hr/> | \$17,606 40 | <hr/> | \$25,284 54 |
|-------------------------------|-------|-------------|-------|-------------|

Amounts brought forward ..... \$17,606 40      \$25,284 54

WELLINGTON SCHOOL YARD.

|                  |          |          |
|------------------|----------|----------|
| Iron fence ..... | \$819 14 |          |
| Payrolls .....   | 233 01   |          |
| Loam .....       | 174 02   |          |
| Teaming .....    | 165 00   |          |
|                  | <hr/>    | 1,391 17 |

FLETCHER SCHOOL YARD

|                            |          |          |
|----------------------------|----------|----------|
| Iron fence .....           | \$654 19 |          |
| Loam .....                 | 182 38   |          |
| Payrolls .....             | 181 73   |          |
| Teaming .....              | 128 25   |          |
| Hardware, tools, etc. .... | 28 14    |          |
| Lumber .....               | 5 95     |          |
|                            | <hr/>    | 1,180 64 |

MORSE SCHOOL YARD

|                  |          |        |
|------------------|----------|--------|
| Iron fence ..... | \$644 90 |        |
| Loam .....       | 243 99   |        |
| Payrolls .....   | 78 11    |        |
|                  | <hr/>    | 888 29 |

BROADWAY COMMON

|                           |          |        |
|---------------------------|----------|--------|
| Payrolls .....            | \$410 46 |        |
| Iron fence .....          | 237 25   |        |
| Lawn seed and sods .....  | 86 32    |        |
| Teaming .....             | 6 00     |        |
| Hardware, tools, etc..... | 4 41     |        |
|                           | <hr/>    | 744 44 |

THORNDIKE FIELD

|                     |          |        |
|---------------------|----------|--------|
| Awnings .....       | \$214 80 |        |
| Payrolls .....      | 187 87   |        |
| Wooden fence .....  | 85 03    |        |
| Water system .....  | 44 15    |        |
| Drainage .....      | 43 06    |        |
| Fence repairs ..... | 3 45     |        |
| Cement .....        | 1 25     |        |
|                     | <hr/>    | 589 61 |

SLEEPER SCHOOL YARD

|                  |        |  |
|------------------|--------|--|
| Iron fence ..... | 326 00 |  |
|------------------|--------|--|

ROBERTS SCHOOL YARD

|                |          |        |
|----------------|----------|--------|
| Teaming .....  | \$156 00 |        |
| Payrolls ..... | 128 48   |        |
|                | <hr/>    | 284 48 |

Amounts carried forward ..... \$23,011 63      \$25,284 54



Amounts brought forward ..... \$23,011 63    \$25,284 54

## PEABODY SCHOOL YARD

Iron fence ..... 291 36

## WARD EIGHT PLAYGROUND

Filling ..... 140 60

## PIONEER SCHOOL YARD

Payrolls ..... 29 16

## LAND, MAIN AND ALBANY STREETS

Payrolls ..... 12 34

Total amount ..... 23,485 09

Balance unexpended ..... \$1,799 45

## PLAYGROUND MAINTENANCE

## SALARIES

Amount appropriated May 6th, 1913 ..... \$3,000 00

## EXPENDED

Payrolls ..... \$2,949 75

Total amount ..... 2,949 75

Balance unexpended ..... \$50 25

## GENERAL EXPENSES

Amount appropriated May 6th, 1913 ..... \$700 00

## EXPENDED

Baseballs, bats, etc. .... \$233 20

Car tickets and transportation ..... 93 00

Band and arranging music ..... 79 25

Prizes, fobs and sweaters ..... 70 00

Sand ..... 55 30

Raffia, etc. .... 43 45

Hardware, tools, etc. .... 28 98

Hire of bandstand ..... 25 00

Tennis marker ..... 22 90

Programs and invitations ..... 14 70

Cards ..... 9 80

Payrolls ..... 7 88

Subscription to Magazine ..... 5 00

Cloth signs ..... 4 90

Megaphones ..... 1 85

Hire of chairs ..... 1 50

Lime ..... 1 47

Total amount ..... 698 26

Balance unexpended ..... \$1 74

## PARK MAINTENANCE

## SALARIES

|  |            |
|--|------------|
| Amount appropriated May 6, 1913 .....  | \$2,800 00 |
| Amount transferred November 29, 1913, from Maintenance,<br>Playground Salaries ..... | 50 25      |
|  | <hr/>      |
|  | \$2,850 25 |

## EXPENDED

|   |            |             |
|---|------------|-------------|
| Salary of General Superintendent ..                 | \$2,000 00 |             |
| Salary of Clerk and Bookkeeper,<br>chargeable ..... | 849 83     |             |
|   | <hr/>      |             |
| Total amount .....                                  |            | 2,849 83    |
|   |            | <hr/>       |
| Balance unexpended .....                            |            | \$ 42       |
|   |            | <hr/> <hr/> |

## FORESTRY

|                                       |             |
|---------------------------------------|-------------|
| Amount appropriated May 6, 1913 ..... | \$15,500 00 |
|---------------------------------------|-------------|

## EXPENDED

BROWN TAIL MOTH AND ELM LEAF BEETLE  
EXTERMINATION.

|                                |            |
|--------------------------------|------------|
| Payrolls .....                 | \$5,882 50 |
| Teaming .....                  | 177 00     |
| Arsenate of lead .....         | 392 70     |
| Repairs spraying machine ..... | 74 02      |
| Hose for sprayer .....         | 54 40      |
| Ladder repairs .....           | 57 35      |
| Hardware, tools, etc. ....     | 31 28      |
| Gasoline .....                 | 45 00      |
| Printing circulars .....       | 20 00      |
| Stationery .....               | 11 70      |
| Creosote .....                 | 18 50      |
| Lubricating oil .....          | 3 75       |
| Blankets .....                 | 9 02       |
|                                | <hr/>      |
|                                | \$6,777 22 |

## SHADE TREES

|  |            |
|--|------------|
| Payrolls .....                           | \$2,977 88 |
| Trees .....                              | 578 26     |
| Wire netting .....                       | 275 46     |
| Tree poles .....                         | 132 40     |
| Teaming .....                            | 93 00      |
| Hardware, tools, etc. ....               | 16 35      |
| Repairing fences (damaged by tree) ..... | 14 70      |
| Stationery .....                         | 10 97      |
| Repairing wagon .....                    | 4 98       |
| Sharpening saws .....                    | 4 28       |
| Harness repairs .....                    | 3 04       |
| Expressage .....                         | 2 00       |
|  | <hr/>      |
|  | \$4,113 34 |

|                               |             |             |
|-------------------------------|-------------|-------------|
| Amounts carried forward ..... | \$10,890 56 | \$15,500 00 |
|-------------------------------|-------------|-------------|

*Amounts brought forward* ..... \$10,890 56    \$15,500 00

## REMOVAL DEAD TREES

|                            |            |
|----------------------------|------------|
| Payrolls .....             | \$3,357 43 |
| Teaming .....              | 180 00     |
| Hardware, tools, etc. .... | 53 38      |
| Sharpening saws .....      | 22 09      |
| Horseshoeing .....         | 2 68       |
| Kerosene oil .....         | 4 50       |
|                            | <hr/>      |
|                            | \$3,620 08 |

## SPECIAL TREATMENT, SHADE TREES

|                   |          |
|-------------------|----------|
| Payrolls .....    | \$530 63 |
| Loam .....        | 330 66   |
| Teaming .....     | 96 75    |
| Incidentals ..... | 34       |
|                   | <hr/>    |
|                   | \$958 38 |

|                          |           |
|--------------------------|-----------|
| Total amount .....       | 15,469 02 |
|                          | <hr/>     |
| Balance unexpended ..... | \$30 98   |

## GENERAL

|   |             |
|---|-------------|
| Amount appropriated May 6, 1913 .....                                       | \$23,110 00 |
| Amount appropriated July 7, 1913 .....                                      | 3,500 00    |
|   | <hr/>       |
|   | \$26,610 00 |
| Amount transferred July 25, 1913, to Street Department<br>Maintenance ..... | 432 00      |
|   | <hr/>       |
|   | \$26,178 00 |

## CAMBRIDGE FIELD AND SHELTER

## THE FIELD

|                                 |            |
|---------------------------------|------------|
| Payrolls .....                  | \$2,290 72 |
| Lighting .....                  | 452 94     |
| Settees and slats for same..... | 124 42     |
| Teaming .....                   | 63 75      |
| Stakes .....                    | 58 80      |
| Garden hose .....               | 50 00      |
| Lumber .....                    | 45 04      |
| Building manhole .....          | 21 60      |
| Hardware, tools, etc.....       | 17 55      |
| Repairs, water system .....     | 9 07       |
| Cesspool cover .....            | 1 71       |
| Lime .....                      | 1 03       |
| Filing saws .....               | 98         |
|                                 | <hr/>      |
|                                 | \$3,137 61 |

|                                      |            |             |
|--------------------------------------|------------|-------------|
| <i>Amounts carried forward</i> ..... | \$3,137 61 | \$26,178 00 |
|--------------------------------------|------------|-------------|

Amounts brought forward ..... \$3,137 61    \$26,178 00

## THE SHELTER

|                         |            |            |
|-------------------------|------------|------------|
| Payrolls .....          | \$2,330 38 |            |
| Coal .....              | 321 20     |            |
| Laundering towels ..... | 134 07     |            |
| Soap .....              | 67 70      |            |
| Towels .....            | 52 50      |            |
| Lighting .....          | 84 25      |            |
| Supplies .....          | 43 16      |            |
| Building fire box ..... | 20 00      |            |
| Toilet paper .....      | 17 53      |            |
| Plumbing repairs .....  | 22 19      |            |
| Fire extinguisher ..... | 6 86       |            |
| Repairs .....           | 1 32       |            |
|                         |            | 3,101 16   |
| Total amount .....      |            | \$6,238 77 |

## COMMONS, SQUARES AND PUBLIC GROUNDS

|                                      |            |
|--------------------------------------|------------|
| Payrolls .....                       | \$4,220 01 |
| Lighting .....                       | 259 35     |
| Teaming .....                        | 108 00     |
| Lumber for repairing walks .....     | 53 95      |
| Hardware, tools, etc.....            | 41 61      |
| Loam .....                           | 49 74      |
| Repairs, granolithic walk.....       | 48 75      |
| Repairs, fence, Common.....          | 42 24      |
| Repairs, fence, Broadway Common..... | 37 24      |
| Lawn seed .....                      | 28 37      |
| Housing topmast .....                | 13 86      |
| Printing circulars .....             | 1 96       |
| Repairs, wagon .....                 | 1 75       |
|                                      | \$4,906 83 |

## RIVER PARKWAY, SECTIONS A, B, D, F, G AND H

## Section A:

|                                 |          |          |
|---------------------------------|----------|----------|
| Lighting, C. E. L. Co.....      | \$700 73 |          |
| Lighting, Welsbach St. Ltg..... | 15 63    |          |
|                                 |          | \$716 36 |

## Section B:

|                                 |          |          |
|---------------------------------|----------|----------|
| Payrolls .....                  | \$629 75 |          |
| Lighting, C. E. L. Co.....      | 409 23   |          |
| Lighting, Welsbach St. Ltg..... | 162 50   |          |
| Hardware, tools, etc.....       | 2 85     |          |
|                                 |          | 1,204 33 |

## Section D:

|                                 |          |          |
|---------------------------------|----------|----------|
| Tarvia .....                    | \$168 00 |          |
| Payrolls .....                  | 212 58   |          |
| Lighting, C. E. L. Co.....      | 563 90   |          |
| Teaming .....                   | 26 25    |          |
| Lighting, Welsbach St. Ltg..... | 28 73    |          |
| Filling .....                   | 4 50     |          |
|                                 |          | 1,003 96 |

Amounts carried forward ..... \$2,924 65    \$26,178 00



Amounts brought forward ..... \$2,924 65    \$26,178 00

## Section F:

|                                |          |        |
|--------------------------------|----------|--------|
| Lighting, C. E. L. Co.....     | \$453 41 |        |
| Payrolls .....                 | 222 44   |        |
| Lighting Welsbach St. Ltg..... | 50 00    |        |
| Teaming .....                  | 36 00    |        |
|                                |          | 761 85 |

## Sections G and H:

|                                 |          |                   |
|---------------------------------|----------|-------------------|
| Lighting, C. E. L. Co.....      | \$473 98 |                   |
| Payrolls .....                  | 238 52   |                   |
| Repairing fence .....           | 78 00    |                   |
| Lighting, Welsbach St. Ltg..... | 71 87    |                   |
|                                 |          | 862 37            |
|                                 |          | <u>\$4,548 87</u> |

## RINDGE FIELD AND SHELTER

## THE FIELD

|                                   |            |          |
|-----------------------------------|------------|----------|
| Payrolls .....                    | \$1,817 67 |          |
| Lighting (Camb. E. L. Co.).....   | 118 35     |          |
| Hockey rink .....                 | 60 68      |          |
| Lighting (Welsbach St. Ltg.)..... | 59 16      |          |
| Gravel .....                      | 45 68      |          |
| Teaming .....                     | 33 00      |          |
| Tennis court .....                | 12 00      |          |
| Hardware, tools, etc.....         | 2 35       |          |
| Lime .....                        | 1 22       |          |
| Incidentals .....                 | 25         |          |
|                                   |            | 2,150 36 |

## THE SHELTER

|                         |            |          |
|-------------------------|------------|----------|
| Payrolls .....          | \$1,437 36 |          |
| Coal .....              | 140 36     |          |
| Laundering towels ..... | 54 14      |          |
| Soap .....              | 41 72      |          |
| Lighting .....          | 24 20      |          |
| Screens .....           | 13 87      |          |
| Plumbing .....          | 9 20       |          |
| Supplies, etc. ....     | 7 06       |          |
| Fire extinguisher ..... | 6 86       |          |
|                         |            | 1,734 77 |

Total amount ..... \$3,885 13

## GENERAL ACCOUNT

|   |          |                 |
|---|----------|-----------------|
| Exchange of auto .....                  | \$274 00 |                 |
| Telephone service .....                 | 161 61   |                 |
| Binding and printing annual report..... | 160 77   |                 |
| New harness .....                       | 107 80   |                 |
| Auto repairs .....                      | 103 02   |                 |
|   |          | <u>\$807 20</u> |
| Amounts carried forward .....           | \$807 20 | \$26,178 00     |

|                                      |            |             |
|--------------------------------------|------------|-------------|
| <i>Amounts brought forward</i> ..... | \$807 20   | \$26,178 00 |
| Hire of band .....                   | 94 50      |             |
| Gasolene .....                       | 71 30      |             |
| New tires .....                      | 61 15      |             |
| Hire of autos .....                  | 60 90      |             |
| Horseshoeing .....                   | 54 44      |             |
| Stamps and postal cards.....         | 51 48      |             |
| Printing loam tickets .....          | 47 04      |             |
| Dinners .....                        | 43 81      |             |
| Storage of auto .....                | 45 00      |             |
| Payroll books .....                  | 37 83      |             |
| Stationery and supplies .....        | 29 66      |             |
| Auto supplies .....                  | 23 73      |             |
| Letter heads .....                   | 22 79      |             |
| Drum for gasolene .....              | 20 00      |             |
| Printing daily reports .....         | 18 86      |             |
| Printing payrolls .....              | 17 64      |             |
| Plates for auto .....                | 11 50      |             |
| Car tickets .....                    | 10 00      |             |
| Analysis of water .....              | 10 00      |             |
| Harness repairs .....                | 9 99       |             |
| Kerosene oil .....                   | 9 00       |             |
| Book of Deeds .....                  | 9 00       |             |
| Hardware, tools, etc. ....           | 6 10       |             |
| Lubricating oil .....                | 7 80       |             |
| Classification sheets .....          | 7 25       |             |
| Sand .....                           | 7 00       |             |
| Annual reports slips.....            | 4 25       |             |
| Directory .....                      | 4 00       |             |
| Framing map .....                    | 3 75       |             |
| Constable badges .....               | 3 00       |             |
| Photo supplies .....                 | 2 11       |             |
| Miscellaneous .....                  | 1 80       |             |
| Expressage .....                     | 40         |             |
|                                      | <hr/>      |             |
|                                      | \$1,614 28 |             |

## RUSSELL FIELD

|                                    |            |
|------------------------------------|------------|
| Payrolls .....                     | \$1,051 21 |
| Building fences and offices .....  | 188 44     |
| Cinders .....                      | 154 00     |
| Hardware, tools, and supplies..... | 28 42      |
| Gas fixtures .....                 | 26 10      |
| Gas consumed .....                 | 25 92      |
| Garden hose .....                  | 25 48      |
| Lumber .....                       | 25 24      |
| Rubber mats .....                  | 25 32      |
| Plumbing .....                     | 17 44      |
| Signs .....                        | 9 00       |
| Gravel .....                       | 7 75       |
| Settees .....                      | 12 00      |
| Teaming .....                      | 3 00       |
| Stationery .....                   | 3 43       |
| Fire extinguisher .....            | 6 86       |
|                                    | <hr/>      |
|                                    | \$1,609 61 |

|                                     |  |             |
|-------------------------------------|--|-------------|
| <i>Amount carried forward</i> ..... |  | \$26,178 00 |
|-------------------------------------|--|-------------|

Amount brought forward ..... \$26,178 00

BATH HOUSE

|                                |            |
|--------------------------------|------------|
| Payrolls .....                 | \$1,250 73 |
| Laundering towels, etc.....    | 182 12     |
| Lighting beach and houses..... | 82 82      |
| Repairs building .....         | 37 43      |
| Plumbing repairs .....         | 21 71      |
| Hardware, tools, etc.....      | 9 75       |
| Medicinal supplies .....       | 2 43       |
| Stationery .....               | 2 94       |
| Supplies, needles, etc.....    | 1 99       |
| Water "Off and On".....        | 1 00       |
| Supplies .....                 | 98         |
|                                | <hr/>      |
|                                | \$1,593 90 |

THORNDIKE FIELD

|                          |          |
|--------------------------|----------|
| Payrolls .....           | \$715 48 |
| Lighting .....           | 80 15    |
| Concrete fountains ..... | 36 00    |
| Calcium chloride .....   | 16 46    |
| Teaming .....            | 6 00     |
| Repairs apparatus .....  | 3 53     |
| Lumber .....             | 3 70     |
|                          | <hr/>    |
|                          | \$861 32 |

FLOATING BATH HOUSE

|                             |          |
|-----------------------------|----------|
| Payrolls .....              | \$309 56 |
| Towing house .....          | 70 00    |
| Repairs .....               | 8 27     |
| Hardware, tools, etc.....   | 4 20     |
| Laundering towels, etc..... | 3 20     |
| Stationery .....            | 1 47     |
| Lighting .....              | 1 12     |
| Supplies .....              | 1 50     |
|                             | <hr/>    |
|                             | \$399 32 |

LONGFELLOW PARK

|                          |          |           |
|--------------------------|----------|-----------|
| Payrolls .....           | \$244 71 |           |
| Total amount .....       |          | 25,902 74 |
|                          |          | <hr/>     |
| Balance unexpended ..... |          | \$275 26  |

Respectfully submitted,

JOHN F. DONNELLY,  
General Superintendent of Parks.

# REPORT OF SUPERVISOR OF PLAYGROUNDS

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February 1, 1914.

*To the Board of Park Commissioners, City of Cambridge:*

Gentlemen: I submit herewith a report of the work on the Cambridge playgrounds during the summer season of 1913.

The general plan of the work varied in no great measure from that of previous years. No radical change is really possible in the nature of play itself; the traditional games of childhood furnish the foundation of all play activities, and acting upon this belief, your supervisors purposely avoided the introduction of the so-called "newer games."

Baseball continues and will continue to be the sport to which boys of all ages are attracted. The game is deservedly popular and offers more opportunities for the finer mental and physical development of the many, with fewer chances for injury, than any of our other sports. Senior and junior leagues were maintained throughout the season and the winners in each division were awarded jerseys bearing the playground initial. In the senior division the Rindge Field team was successful, and the junior championship was awarded to the team from Cambridge Common.

The success of these leagues lies not alone in the popularity of the sport but in the fact that they furnish a convenient means of inter-playground competition. Too much cannot be said in favor of such competition when judiciously supervised. In the absence of playground equipment, it serves to keep alive a keen interest in all activities throughout the entire season and develops a child's pride in the work of its own particular playground. It calls the attention of the general public to the work which the playgrounds are doing, and evidence of such attention and interest was shown in the presence of a large number of adults at the various dual meets and ball games. In all, eighteen dual meets were held, the program of events for these meets being chosen from a uniform list of games submitted to the teachers at the beginning of the season.









## PLAY GROUNDS

*Demonstration Day—Russell Field, 1913.*



The general character of the work carried on for girls may be summarized under three heads. Folk dancing, occupation work and the simplest forms of athletic competition. The instruction in folk dancing was particularly efficient and a marked progress in the skill of the children was noticeable at the end of the season. Less importance was attached to the occupation work than in former years in the belief that a brief season could be used to better advantage and more children reached through the play and game periods. The introduction of inter-playground meets and playground baseball games aroused even greater rivalry among the girls than the boys, and the teachers had little difficulty in maintaining interest and order in a week which furnished a dual meet or ball game.

Through the courtesy of the Boston Baseball Club of the National League and the management of the St. James Theatre, Boston, entertainment was provided for the boys and girls during the first week of August.

At the close of the season, eight hundred children from the various playgrounds were brought to Russell Field in special cars for the demonstration day and exhibition of the features of the summer's work. In spite of the fact that rain necessitated a postponement from the day previous, the exercises attracted a gathering of five thousand spectators—a further evidence of the public interest. The program as carried out on that day, follows:

#### **Opening March.**

#### **Folk Dances.**

1. Lassie Dance.
2. Swedish Ring Dance.
3. Hot Cross Buns.
4. French Vineyard Dance.

#### **Bean Bag Races.**

- (a) Sub-Junior Boys.
- (b) Junior Girls.

#### **Shuttle Relay Race. Senior Girls.**

**50 Yards Dash. Sub-Junior Boys.**

**75 Yards Dash. Junior Boys.**

**100 Yards Dash. Senior Boys.**

#### **Folk Dances.**

1. Irish Jig.
2. How Do You Do?
3. Indian Dance.

#### **Shuttle Relay Race. Junior Boys.**

**Quoit Relay Races.**

- (a) Sub-Junior Boys.
- (b) Junior Girls.

**Folk Dances.**

- 1. Varsoviennne.
- 2. Spanish Boston.
- 3. Barn Dance.

**Organized Play and Game Period.**

Each playground will show some of the games which have been practised during the season.

**Combination Races.**

- (a) Junior Boys.
- (b) Senior Boys.

**Special Folk Dances.**

- (a) Orange Blossoms—Rindge and Merrill Playgrounds.
- (b) Bonita Caprice—Gore and Fresh Pond Playgrounds.
- (c) Maypole and Group Dancing—Cambridge Field and Broadway Playground.
- (d) Dance of the June Bugs—Thorndike Field Playground.

**Junior Sack Race.****Diamond Relay Races.**

- (a) Senior Boys.
- (b) Senior Girls.

**Singing of "The Star-Spangled Banner."**

This description, brief though it be, will serve to give a general idea of the nature of the summer's work. A fixed program or schedule for each day was purposely avoided, for the activities appealing to one section of the city at a given time might be wholly out of place in the work of another playground at the same hour. The aim has been to group the children according to their ages and physical abilities and then give attention proportionate to the numbers comprising the individual groups.

From experience gained by association with the work during the past three years, I take the liberty of offering to the Board the following recommendations and general observations concerning the present and future organization of the Cambridge playgrounds:

The appropriation amounts each year to approximately \$3,700, of which \$3,000, or 81 per cent. of the total appropriation, is for salaries. The matter of teacher selection is, consequently, the most important item connected with expenditure, and I would suggest that, in addition to the policy pursued during the present season of retain-



ing the experienced teachers, due credit be given to sub-masters, assistant teachers and apprentices, and promotions accorded to these latter groups as vacancies may occur.

With perhaps the exception of Wards 6, 9 and 10, the city is well taken care of from the standpoint of a possible development of recreation facilities. With play areas provided for these wards, the problem is then one of equipment. Much good has been accomplished in the recent fencing and surfacing, but I would recommend that whatever further appropriations may be forthcoming, be applied to the development of Mill Pond, Cambridge Field and Rindge Field, in the order named. Absolute necessity is the only excuse which makes permissible the use of the Mill Pond playground in its present condition. Cambridge Field and Rindge Field suffer, of course, from absence of equipment, but both fields are provided with sanitaries and shelters, and the general conditions at each are favorable for successful playground work.

Thorndike Field is the only equipped playground in the city, and its general features, with emphasis upon the provision of separate play areas for boys and girls, are to be recommended in connection with the improvements suggested for the above-named playgrounds. Additional space might well be gained at this field were the present steel frame and apparatus on the boys' playground removed. The slide which has been provided is, in my opinion, altogether too high and dangerous, and only constant watchfulness on the part of the instructor in charge has prevented perhaps serious accidents. The slides in the girls' playground should be roofed over, as the heat and glare on the metallic inclines render the apparatus unfit for use on many of the hotter days. It is surprising that the field contains no sanitaries or shelter, and the playground must be considered as incomplete until this lack of provision is remedied.

Smaller playgrounds are needed to supplement the work of the larger fields, but the attendance at several of these playgrounds has been such as to make doubtful the wisdom of their continuance in present locations. The work at Peabody School was discontinued at the end of four weeks' time on account of very poor attendance. The playgrounds at Fresh Pond, Captain's Island and Cambridge Common draw no very great patronage when compared with playgrounds of like area in other parts of the city.

I do not believe that we have an excessive number of these smaller playgrounds—the slight attendance is due rather to poorness

of location. For example, the bathing beach at Captain's Island furnishes recreation facilities sufficient in itself, and supervised play might better be carried on at the Morse School or on the lots at the foot of Erie Street. Cambridge Common and Fresh Pond Playgrounds show an average attendance of thirty or forty pupils each session, and this number could easily be doubled were the playgrounds to be established nearer the centers of population in these districts.

At Gore School the daily attendance is large but the play area is extremely limited and the general facilities for playground work are very poor indeed. That portion of the school yard which is available for play purposes has a total area of not over 5,100 square feet, and when it is remembered that this plot is used by an average daily attendance of 200 pupils, the need of more play space will be apparent.

A consideration of the difficulties to be met with in beginning a season's work may not be out of place in concluding observations. The appropriation is made at such a date that teachers' appointments, the general plans for the organization of playground activities, the sorting of old and the purchase and distribution of new material, must be crowded into approximately four weeks' time. Too much emphasis cannot be placed upon the importance of a successful opening week for delays incidental to a hurried preparation may mar the work of a playground for an entire season. I realize that the financial year begins at such a date that earlier appropriation is not possible, but I would suggest that the Board make such tentative plans as would permit the supervisors to prepare the work of the larger playgrounds at as early a date as possible.

Whatever success has been attained during the season may be attributed in a great measure to the support which has been accorded the supervisors by the members of the Board, to the generous aid given at the department headquarters by the Superintendent of Parks and the Secretary, and to the general willingness on the part of the schoolhouse janitors to lend assistance whenever possible.

Appended are the general statistics of the summer's work, the financial statement, and an inventory of the supplies stored at Cambridge Field shelter.

#### PLAYGROUNDS

|   |                 |                  |
|---|-----------------|------------------|
| Gore School   | Thorndike Field | Broadway Common  |
| Merrill School  | Cambridge Field | Cambridge Common |
| Peabody School  | Mill Pond       | Captain's Island |
|   | Rindge Field    | Fresh Pond       |
| Length of Season.....July 7-August 29, 8 weeks, 5 days per week |                 |                  |
| Registration.....Girls, 1350; Boys, 1,108; Total, 2,458         |                 |                  |







## PLAY GROUNDS

*Demonstration Day—Russell Field, 1913.*



ATTENDANCE (BY WEEKS)

|                        |         |        |        |        |                |        |        |       |
|------------------------|---------|--------|--------|--------|----------------|--------|--------|-------|
| Broadway Common ...    | 1,142   | 737    | 949    | 798    | 799            | 859    | 856    | 739   |
| Cambridge Field .....  | 2,775   | 2,340  | 2,205  | 2,705  | 2,015          | 2,205  | 1,945  | 1,215 |
| Captain's Island ..... | 294     | 292    | 472    | 333    | 374            | 500    | 374    | 135   |
| Gore School .....      | 1,815   | 1,308  | 1,201  | 1,197  | 1,124          | 1,112  | 867    | 683   |
| Merrill School .....   | 992     | 677    | 590    | 608    | 459            | 500    | 454    | 369   |
| Mill Pond .....        | 330     | 829    | 1,150  | 2,395  | 2,210          | 2,230  | 1,725  | 1,041 |
| Peabody School .....   | 201     | 260    | 292    | 301    | (discontinued) |        |        |       |
| Rindge Field .....     | 2,278   | 2,279  | 2,334  | 2,307  | 2,740          | 2,938  | 2,480  | 1,806 |
| Thorndike Field .....  | 3,048   | 3,323  | 3,728  | 4,081  | 4,828          | 4,798  | 4,340  | 2,828 |
| Cambridge Common ..    |         | 395    | 375    | 430    | 495            | 435    | 395    | 300   |
| Fresh Pond .....       |         | 303    | 317    | 240    | 278            | 268    | 261    | 131   |
|                        | 12,875  | 12,743 | 13,613 | 15,395 | 15,322         | 15,845 | 13,797 | 9,247 |
| Total attendance ..... | 108,837 |        |        |        |                |        |        |       |

TEACHING STAFF

|                          |                      |               |
|--------------------------|----------------------|---------------|
| Superintendent           | Pianist              | 3 Apprentices |
| Assistant Superintendent | 10 Teachers          | 4 Masters     |
| 2 Special Teachers       | 9 Assistant Teachers | 4 Submasters  |

FINANCIAL STATEMENT

APPROPRIATED.

|                        |            |            |
|------------------------|------------|------------|
| Salaries .....         | \$3,000 00 |            |
| General expenses ..... | 700 00     |            |
| Total .....            |            | \$3,700 00 |

EXPENDED.

|                               |   |          |            |
|-------------------------------|---|----------|------------|
| June                          | Playground and Recreation Association.... | \$5 00   |            |
| July                          | Horace Partridge .....                    | 150 21   |            |
|                               | Boston Elevated (car tickets).....        | 20 00    |            |
|                               | J. H. Corcoran .....                      | 3 33     |            |
|                               | J. H. Corcoran .....                      | 2 40     |            |
|                               | J. L. Hammett .....                       | 10 53    |            |
|                               | Central Square Hardware Co.....           | 39       |            |
|                               | Central Square Hardware Co.....           | 39       |            |
|                               | J. Frank Facey .....                      | 9 80     |            |
|                               | J. H. Corcoran .....                      | 98       |            |
|                               | Central Square Hardware Co.....           | 34       |            |
|                               | Central Square Hardware Co.....           | 62       |            |
|                               | Payrolls .....                            | 7 88     |            |
|                               | J. L. Hammett .....                       | 4 41     |            |
|                               | Central Square Hardware Co.....           | 2 58     |            |
| Amounts carried forward ..... |   | \$218 86 | \$3,700 00 |

|   |          |            |
|---|----------|------------|
| <i>Amounts brought forward</i> .....        | \$218 86 | \$3,700 00 |
| Central Square Hardware Co.....             | 19 22    |            |
| Horace Partridge .....                      | 44 39    |            |
| August J. L. Hammett .....                  | 4 95     |            |
| Horace Partridge .....                      | 25 54    |            |
| A. J. Hezlitt .....                         | 3 92     |            |
| Boston El. (car tickets league games)....   | 20 00    |            |
| J. H. Corcoran .....                        | 1 76     |            |
| Horace Partridge .....                      | 2 45     |            |
| J. F. Scully .....                          | 55 30    |            |
| J. H. Corcoran .....                        | 1 96     |            |
| Pill Bros. ....                             | 5 44     |            |
| J. H. Corcoran .....                        | 59       |            |
| Horace Partridge .....                      | 1 91     |            |
| Boston Stamp and Stencil Co.....            | 40 00    |            |
| Boston El. (spec. cars St. James Theatre).  | 16 00    |            |
| J. H. Corcoran .....                        | 98       |            |
| Boston El. (car tickets) .....              | 5 00     |            |
| J. H. Corcoran .....                        | 7 88     |            |
| G. A. McKenzie .....                        | 98       |            |
| Horace Partridge .....                      | 5 29     |            |
| J. H. Corcoran .....                        | 3 68     |            |
| Augustus Damm .....                         | 11 00    |            |
| E. A. Donovan .....                         | 68 25    |            |
| J. Frank Facey .....                        | 14 70    |            |
| F. B. Furbish .....                         | 25 00    |            |
| D. B. Lewis .....                           | 1 47     |            |
| Horace Partridge .....                      | 31 85    |            |
| J. J. Brine .....                           | 3 41     |            |
| Boston El. (special cars Russell Field).... | 32 00    |            |
| W. Caldwell .....                           | 1 50     |            |
| Horace Partridge (marker) .....             | 22 05    |            |
| Horace Partridge (repairs on marker)....    | 93       |            |
| <hr/>                                       |          |            |
| Total general expenses .....                | \$698 26 |            |
| Expended for salaries.....                  | 2,949 75 |            |
| <hr/>                                       |          |            |
| Total (salaries and general expenses).....  |          | 3,648 01   |
| <hr/>                                       |          |            |
| Balance .....                               |          | \$51 99    |

#### SUPPLIES ON HAND AT CAMBRIDGE FIELD SHELTER

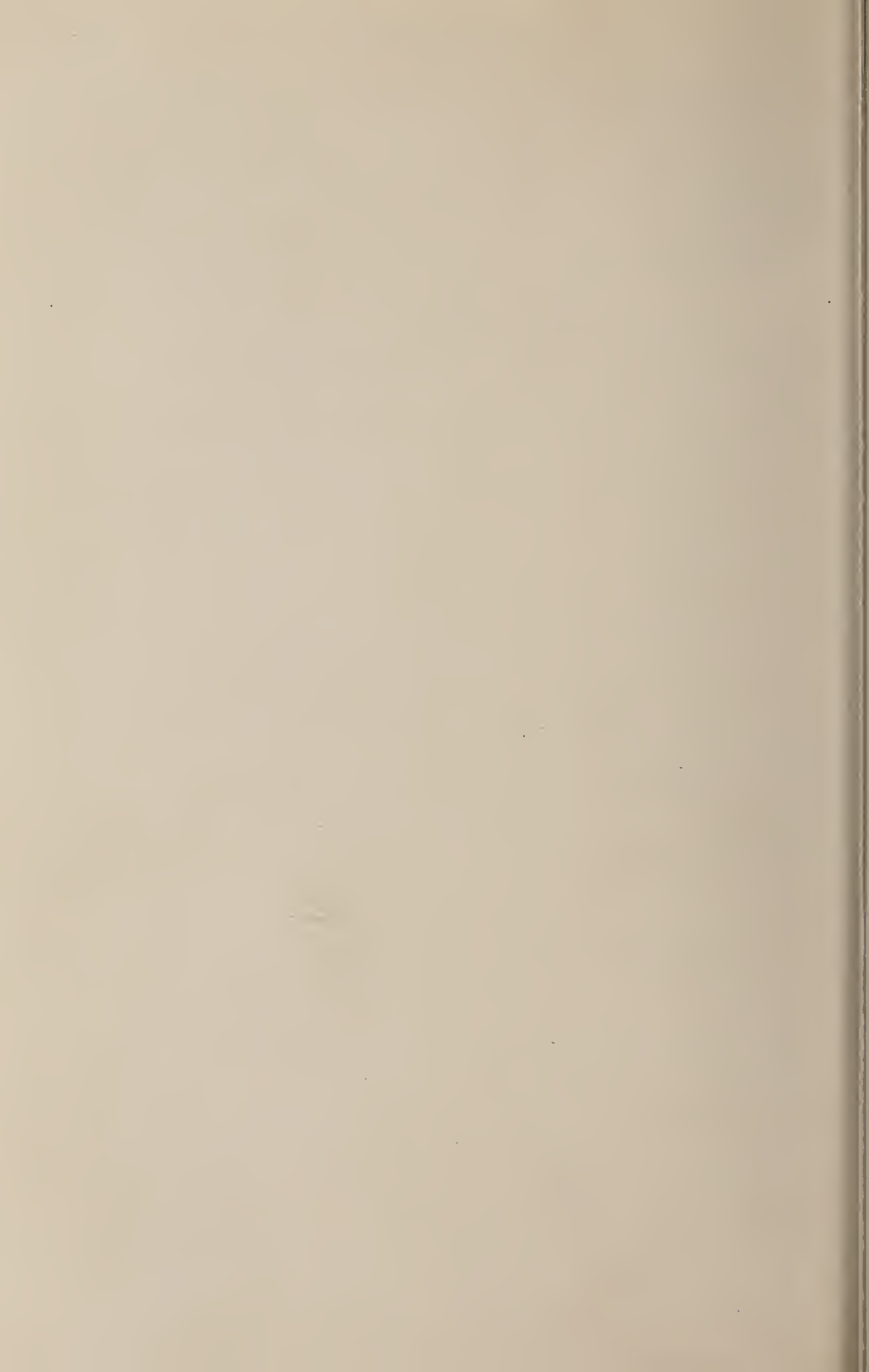
- 1 Doz. Baseballs.
- 20 Playground Balls.
- 8 Volley Balls.
- 2 Association Footballs.
- 5 Basket Balls.
- 8 Fist Balls.
- 17 Bladders.
- 24 Playground Bats.
- 18 Junior Bats.
- 12 Senior Bats.
- 100 Bean Bags.
- 10 Boxes Blocks.
- 2 Sets Bases.
- 40 Checker Boards.
- 3 Boxes Checkers.

5 Catcher's Gloves.  
5 First Baseman's Gloves.  
18 Fielder's Gloves.  
4 Masks.  
2 Megaphones.  
200 Reports.  
300 Enrollment Cards.  
6 Pumps.  
23 Sets Quoits.  
10 Lbs. Reed and Raffia.

Respectfully submitted,

TIMOTHY F. DOWNEY,

*Supervisor of Playgrounds.*





# REPORT OF THE SUPERINTENDENT OF STREETS

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*To the Honorable, the City Council:*

Gentlemen: In accordance with the provisions of Chapter 25 of the Revised Ordinances of the City, the annual report of the Superintendent of Streets for the fiscal year ending March 31, 1914, is herewith submitted.

The regular appropriations of the department are first treated and are followed by the special appropriations, funds of which were provided by issues of bonds and special revenues.

## BRIDGES

|                                       |             |             |
|---------------------------------------|-------------|-------------|
| Appropriation .....                   |             | \$11,800 00 |
| Transferred from pensions .....       |             | 57 20       |
| Transferred from subway account ..... |             | 450 00      |
|                                       |             | <hr/>       |
|                                       |             | \$12,307 20 |
| Payroll, drawtenders .....            | \$10,790 82 |             |
| Labor, First Street .....             | 124 80      |             |
| Labor, Third Street .....             | 92 75       |             |
| Labor, Sixth Street .....             | 40 25       |             |
| Labor, Walden Street .....            | 17 50       |             |
| Labor, Mt. Auburn Street .....        | 52 25       |             |
| Labor, Commercial Avenue .....        | 4 50        |             |
| Materials, First Street .....         | 398 50      |             |
| Materials, Third Street .....         | 175 74      |             |
| Materials, Sixth Street .....         | 226 06      |             |
| Materials, Walden Street .....        | 15 06       |             |
| Materials, Commercial Avenue .....    | 309 24      |             |
| Materials, Mt. Auburn Street .....    | 59 72       |             |
|                                       | <hr/>       | 12,307 19   |
| Balance .....                         |             | <hr/>       |
|                                       |             | \$ 01       |

The most important work on the Canal Bridges was the paving of the approaches with wood blocks. This will, no doubt, prove a measure of real economy as the planking expenses of previous years were extremely high. Locking devices for the draw leaves were at-

tached to each of these bridges and less movement of the leaves during traffic will be the result.

Commercial Avenue Bridge will require an entire new deck early this year. In the following report of the City Engineer, the repairs necessary for other bridges are treated.

## BRIDGES

Inspection March 19, 1914.

### WALDEN STREET BRIDGE

This bridge remains in a weakened and unsafe condition. A careful examination of the bridge and studies for a new one indicated that it would be more economical and more satisfactory not to attempt to repair the old bridge, but to construct an entirely new and modern one in its place. Sketches were prepared for a concrete arch bridge, but the requirements of the Boston & Maine Railroad, obtained only after long delay, were such as to make this impracticable. Plans in detail were then prepared for a steel plate girder bridge with exposed parts covered with concrete and with concrete floor resting upon the old abutments. It was then thought by some members of the City Council that a portion, at least, of the expense should be borne by the railroad, and an effort to effect this was suggested. These delays made the completion of the plans so late in the season that it would be impossible to complete the work until freezing weather would be due, so nothing has been done about contracting for the work. The bridge is now open for light vehicles only, and should be rebuilt the coming season. Sundry repairs and renewals will be needed at nearly all of the bridges maintained by the city the coming year. The bridge repair division should be given enough money to put these bridges in a good, safe condition.

### MAIN AND FIRST STREET UNDERPASS

This underpass is so buried by construction as to make inspection impossible except for exposed iron work, all of which should be scraped and painted.

## COMMERCIAL AVENUE BRIDGE

The steel work needs scraping and painting for iron work below decks. The top corner of plank in the roadway is nearly worn out and when replaced, as it must be early this season, the underplanking should also be renewed, as it is badly decayed in places. The underplanking has been in place seven years.

## FIRST STREET BRIDGE

This bridge over Broad Canal has one of the strips which holds the balance beam in place broken, and this should be replaced at once. Some of the nuts and bolts in this beam are loose and should be tightened. The top cap on the bent of piles which bears the weight of the S'ly draw arms is badly decayed, and should have been replaced with new timber before laying the hexagon block paving with which the roadbed is paved. If it can be made to last until this paving needs renewal, it should then be repaired. The new locks and rests put on to the channel beams at the center of the bridge are giving good service and hold the leaves of the draw to the same level for passing loads

## THIRD AND SIXTH STREET BRIDGES

These bridges are in good repair and will probably need nothing more than the usual planking on the draw span. The new locks and rests for these bridges are working well. The approaches to the draw on each of these bridges have been paved with  $3\frac{1}{2}$ " hexagon wood blocks, and are in good condition.

## MASSACHUSETTS AVENUE BRIDGE

This bridge over Alewife Brook is in good condition, but the appearance of the fence would be improved by a coat of paint.

## WELLINGTON BROOK BRIDGE

The north abutment of this bridge has largely fallen into the brook. The south abutment looks as though it might follow suit at any time. The fence needs repairs, and for the safety of passing teams a new bridge is needed.



HURON AVENUE BRIDGE—AT FOUNTAIN TERRACE

The sidewalks need new planks, and the 2" plank on the roadway must be replaced. The undercourse of plank looks sound from below, but the men who work on bridges say there were many spots where nails would not hold at the time the last 2" plank was laid. All iron work should be painted. The fence which is supposed to guard the top of the bank south of this bridge is a ruin, and leaves a dangerous place unguarded.

HURON AVENUE BRIDGE OVER THE WATERTOWN  
BRANCH OF THE FITCHBURG RAILROAD

A few sidewalk planks are gone, and the roadway is worn out. The lead which protected the sway bracing is gone and should be at once replaced.

COLLECTION OF ASHES

|                                     |             |             |
|-------------------------------------|-------------|-------------|
| Appropriation .....                 |             | \$60,000 00 |
| Payroll .....                       | \$49,793 62 |             |
| Teaming .....                       | 432 00      |             |
| Hay .....                           | 3,709 56    |             |
| Grain .....                         | 2,621 73    |             |
| Straw .....                         | 355 75      |             |
| Hardware, tools, etc .....          | 67 39       |             |
| Harnesses, repairs, etc. ....       | 471 34      |             |
| Wagon repairs .....                 | 312 59      |             |
| Horseshoeing, stock and tools ..... | 491 96      |             |
| New equipment .....                 | 220 00      |             |
| Salary of foreman .....             | 1,300 00    |             |
| Ash cart covers .....               | 176 40      |             |
| Dumping privileges .....            | 25 00       |             |
| Incinerator repairs .....           | 22 46       |             |
|                                     |             | 59,999 80   |
| Balance .....                       |             | \$ 20       |

| YEAR       | Number of Cubic<br>Yards Collected | Amount<br>Expended | Unit of Cost<br>Per Cubic Yard |
|------------|------------------------------------|--------------------|--------------------------------|
| 1905 ..... | 100,084                            | \$32,499 23        | \$.324                         |
| 1906 ..... | 106,106                            | 33,686 46          | .316                           |
| 1907 ..... | 113,604                            | 37,458 48          | .329                           |
| 1908 ..... | 122,901                            | 40,152 36          | .319                           |
| 1909 ..... | 132,146                            | 44,599 62          | .337                           |
| 1910 ..... | 141,301                            | 47,099 28          | .333                           |
| 1911 ..... | 158,973                            | 52,999 64          | .333                           |
| 1912 ..... | 154,021                            | 57,290 08          | .372                           |
| 1913 ..... | 161,417                            | 59,999 80          | .371                           |

It will be seen from the above table that the number of cubic yards increased over the previous year by 7,396. Notwithstanding the greater difficulties encountered, due to the severe winter, the unit cost



per cubic yard fell off slightly from the last year. The dumping places are still difficult to retain, and some are now almost filled to capacity. The area at the foot of Pleasant Street will be completely filled in a few months, and a substitute will be difficult to secure. Some temporary arrangements have been made in East Cambridge for dumping privileges, but a thorough canvass of the entire section shows that no dumping places are now available, and material from this section must be carted to the extreme end of the city in the near future. Some investigation has been made to determine the feasibility of disposing of the ashes and refuse of the eastern end of the city at sea by means of scows, but the initial and maintenance expenses were found to be very high.

I have again recommended motor-driven apparatus for this division, and will include an appropriation for such in the annual estimates. The average hauls are getting longer, and I believe that this would be a measure of economy. There is need of at least two more of the large six-yard carts and four single carts.

Both incinerators have been run continuously during the year, and a revenue of \$900 has been derived from them. Additional storage room has been provided for the contractor.

The city is now under no expense whatever in the operation of these two incinerators, and an annual outlay of \$6,000 for their maintenance has been turned into a revenue of \$900.

### STREET CLEANING

|   |             |             |
|---|-------------|-------------|
| Appropriation .....                             |             | \$50,000 00 |
| Transferred from Boston Bridges, salaries ..... |             | 216 50      |
| Transferred from Crossings .....                |             | 97 32       |
|   |             | <hr/>       |
|   |             | \$50,318 32 |
| Transferred to Snow Removal.....                |             | 344 54      |
|   |             | <hr/>       |
|   |             | \$49,969 28 |
| Payroll, general .....                          | \$16,543 53 |             |
| Payroll, section men .....                      | 21,880 04   |             |
| Teaming .....                                   | 6,858 75    |             |
| Hay .....                                       | 1,146 20    |             |
| Grain .....                                     | 919 30      |             |
| Hardware, tools, etc.....                       | 771 46      |             |
| Harnesses, repairs, etc.....                    | 34 60       |             |
| Refilling machine brooms .....                  | 183 75      |             |
| Machine sweeper repairs .....                   | 87 78       |             |
| New equipment .....                             | 1,532 65    |             |
| Sundries .....                                  | 73          |             |
| Horseshoeing stock and tools.....               | 9 38        |             |
|   | <hr/>       |             |
|   |             | 49,968 17   |
|   |             | <hr/>       |
| Balance .....                                   |             | \$1 11      |

SNOW REMOVAL

|                                   |            |             |
|-----------------------------------|------------|-------------|
| Appropriation .....               |            | \$5,000 00  |
| Transferred sundry balances.....  |            | 764 91      |
| Transferred from maintenance..... |            | 1,000 00    |
| Additional appropriation .....    |            | 2,000 00    |
| Emergency appropriation .....     |            | 3,000 00    |
|                                   |            | <hr/>       |
|                                   |            | \$11,764 91 |
| Payroll, general .....            | \$5,472 82 |             |
| Payroll, schoolhouse work .....   | 847 43     |             |
| Payroll, section men .....        | 5,060 73   |             |
| Teaming .....                     | 219 00     |             |
| Hardware, tools, etc .....        | 67 18      |             |
| Salt .....                        | 16 17      |             |
| Gravel .....                      | 81 35      |             |
|                                   | <hr/>      | 11,764 68   |
|                                   |            | <hr/>       |
| Balance .....                     |            | \$ 23       |

STREET CLEANING

The amount expended for street cleaning this year was less than the previous year, but the expenditure for snow removal was far greater. Although but \$5,000 was estimated, the total cost was \$11,764.68. In order to meet this sum, sundry balances were transferred to the account, and as a last resort a special emergency loan of \$3,000 was made.

During the year a large number of waste paper boxes were placed about the principal streets. These are large sheet-iron boxes, known as "Civic Pride" cans, and are similar to mail boxes and are mounted upon posts at the curb. They have been well patronized and helped to keep litter off the streets.

A "squeegee" machine was added to the equipment the past year. This machine has been used on our smooth pavements, and has done excellent work, as the rubber brush on it scrubs the street clean and leaves no mud behind it. I will recommend an additional machine of this type the coming year as the territory is too large for one machine to do all the work.

The usual spring and fall cleaning were performed, and the section force employed practically through the year.

## MAINTENANCE GENERAL

|  |             |             |
|--|-------------|-------------|
| Appropriation .....  |             | \$86,750 00 |
| Transferred from Pensions .....                              |             | 192 46      |
| Transferred for board of horse, Park Dept.....               |             | 432 00      |
| Transferred for board of Horse, SealerWeights and Measures.. |             | 216 00      |
|  |             | <hr/>       |
|  |             | \$87,590 46 |
| Transferred to Snow Removal.....                             |             | 1,000 00    |
|  |             | <hr/>       |
|  |             | \$86,590 46 |
| Payroll, fixed charges .....                                 | \$27,017 53 |             |
| Payroll, street work .....                                   | 21,442 91   |             |
| Teaming .....  | 952 50      |             |
| Hay .....  | 1,422 87    |             |
| Grain .....  | 1,111 06    |             |
| Hardware, tools, etc.....                                    | 730 77      |             |
| Harnesses, repairs, etc.....                                 | 451 87      |             |
| Lumber .....   | 792 74      |             |
| Horseshoeing, stock and tools.....                           | 261 02      |             |
| Steam rollers, repairs and supplies.....                     | 4,656 41    |             |
| Stone crushers, repairs and supplies.....                    | 310 76      |             |
| Field stone .....  | 925 28      |             |
| Crushed stone .....  | 10,793 63   |             |
| Gravel .....   | 412 06      |             |
| Fuel .....   | 1,446 46    |             |
| Street signs .....   | 283 83      |             |
| Lighting .....   | 577 57      |             |
| Telephones and office supplies.....                          | 738 70      |             |
| Additions and repairs, stables and yards.....                | 1,198 95    |             |
| New equipment .....  | 73 50       |             |
| Carriage and wagon repairs .....                             | 357 20      |             |
| Painters' supplies .....                                     | 428 54      |             |
| Stable supplies .....  | 526 84      |             |
| Special road treatment .....                                 | 7,891 34    |             |
| Cement .....   | 2 65        |             |
| Auto repairs and supplies.....                               | 1,114 99    |             |
| Bitulithic repairs .....                                     | 500 00      |             |
| Sundries .....   | 166 31      |             |
|  | <hr/>       |             |
|  |             | 86,588 29   |
|  |             | <hr/>       |
| Balance .....  |             | \$2 17      |

## MAINTENANCE

The area of Tarviated streets was increased during the year by 25,689 square yards, making the entire area now 154,327 square yards. It stands the traffic remarkably well, and when the small holes are patched in the spring and the entire street given a coating of the "B" treatment, the street usually maintans a first-class appearance throughout the year.

One section of Inman Street was constructed with Bermudez asphalt applied hot by an automobile pressure sprayer early in the



season. This was a very successful job, and the street is in excellent condition.

Considerable repair work was done on the vitrified brick streets, and also the bitulithic areas that were out of guarantee.

The stables and sheds at the two yards received an unusual amount of repairing the past year. The temporary quarters occupied by Engine 5 will make excellent sheds or shops when vacated.

A new steam roller had to be purchased, as the old double engine American roller has been condemned by the boiler inspectors. We now have four of the Buffalo Pitts rollers of the fifteen ton type. Some special provision should be made for extensive street repairs for the coming season, as the amount available for such work is comparatively small after the running expenses of the department are paid out of this appropriation.

An unusual amount of patching work was done during the year, and the bituminous macadam streets were thoroughly patched. The Hassam pavement on Massachusetts avenue was treated with a coat of Tarvia and liberally patched at an expense of over \$1,700. The entire cost of this bituminous patching was \$4,760.58. A carload of Headley No. 1 patching material was bought and used on a large part of this patching with excellent results.

Sixteen of the Tarvia "X" construction streets were given a coating of Tarvia "B" early in the season, totalling 87,592 square yards costing \$1,977.15 at an average cost of \$.022 per square yard. This has preserved the surface of all these streets and kept them practically dustless the entire season.



TARVIA X RESURFACING

| STREET   | Labor      | Teaming    | Steam Roller | Crushed Stone | Tarvia     | Total       | Square Yards |
|--|------------|------------|--------------|---------------|------------|-------------|--------------|
| Brattle, between Elmwood Ave. and Larch Road..   | \$316 20   | \$417 00   | \$227 50     | \$1,438 00    | \$1,204 40 | \$3,603 10  | 6,525        |
| Columbia, between Harvard and Broadway .....     | 58 95      | 6 00       | 21 00        | 122 92        | 230 08     | 438 95      | 976          |
| Dunster, between Harvard Sq. and Mt. Auburn....  | 45 00      | 60 00      | 42 00        | 79 53         | 126 96     | 353 49      | 915          |
| Eliot, between Eliot Sq. and Boylston.....       | 249 30     | 278 50     | 210 00       | 1,010 88      | 411 52     | 2,160 20    | 2,756        |
| Harvard, between Columbia and Windsor.....       | 153 38     | 36 00      | 52 50        | 440 25        | 339 68     | 1,031 81    | 2,319        |
| Inman, between Mass. Ave. and Broadway.....      | 180 45     | 57 00      | 80 50        | 777 10        | 1,140 00*  | 2,244 05    | 3,862        |
| Inman, between Broadway and Inman Sq. ....       | 263 63     | 56 00      | 73 50        | 833 70        | 663 39     | 1,890 22    | 3,475        |
| Norfolk, between Broadway and Hampshire.....     | 88 87      | 36 50      | 98 00        | 837 77        | 565 92     | 1,627 06    | 3,561        |
| Rindge Ave., between Rindgefield and Hollis..... | 56 40      | 107 75     | 49 00        | 229 88        | 146 40     | 589 43      | 1,300        |
| Totals .....                                     | \$1,421 18 | \$1,034 75 | \$854 00     | \$5,770 03    | \$4,828 35 | \$13,888 31 | 25,689       |

\*Bermudez Asphalt.

MACADAM SURFACING, 1913

| STREET   | Labor    | Teaming  | Steam Roller | Crushed Stone | Filling    | Total      | Square Yards |
|--|----------|----------|--------------|---------------|------------|------------|--------------|
| Aberdeen Ave., between Huron Ave. and Mt. Auburn           | \$47 25  | \$114 00 | \$21 00      | .....         | \$173 75   | \$356 00   | 1,111        |
| Appleton St., between Brattle St. and Huron Ave..          | 73 95    | 137 00   | 59 50        | \$313 28      | 96 00      | 679 73     | 1,555        |
| Athenaeum St., between First St. and Second St....         | .....    | .....    | 7 00         | 10 00         | 312 00     | 329 00     | 1,476        |
| Binney St., between Ninth St. and R. R. Crossing..         | .....    | .....    | 7 00         | 12 50         | 160 50     | 180 00     | 924.6        |
| Carleton St., between Main St. and Amherst St....          | .....    | .....    | 14 00        | 25 00         | 360 00     | 399 00     | 2,295        |
| Chilton St., between Huron Ave. and Vassal Lane..          | 16 88    | 48 00    | 14 00        | .....         | 94 50      | 173 38     | 511          |
| Dudley St., between Cedar St. and Mass. Ave.....           | 58 50    | 82 50    | 35 00        | 132 50        | .....      | 308 50     | 1,333        |
| Fayerweather St., between Brattle St. and Huron Ave. ....  | 77 40    | 183 00   | 70 00        | 239 98        | 246 00     | 816 38     | 4,785        |
| Garden St., between Linnaean St. and Walker St..           | 51 60    | 139 75   | 77 00        | 233 73        | 24 00      | 526 08     | 3,666        |
| Larch Road, between Fresh Pond Parkway and Huron Ave. .... | 21 60    | 78 00    | 7 00         | 2 50          | 126 00     | 235 10     | 1,553        |
| Ninth St., between Cambridge St. and Spring St..           | 45 00    | 12 00    | 35 00        | 25 00         | 441 00     | 558 00     | 2,590        |
| Winter St., between Third St. and Fifth St.....            | .....    | .....    | 7 00         | 26 92         | 165 00     | 198 92     | 3,626        |
| Totals .....   | \$392 18 | \$794 25 | \$353 50     | \$1,021 41    | \$2,198 75 | \$4,760 00 | 25,425.6     |

## STREET WATERING

|   |           |             |
|---|-----------|-------------|
| Appropriation .....                           |           | \$34,475 00 |
| Transferred from pensions .....               |           | 100 00      |
| Revenue, from Boston Elevated Railway Co..... |           | 148 75      |
|   |           | <hr/>       |
|   |           | \$34,723 75 |
| Payroll, general .....                        | \$794 24  |             |
| Payroll, clerical work .....                  | 121 75    |             |
| Salary of foreman .....                       | 1,108 60  |             |
| Sprinkling payroll .....                      | 15,879 41 |             |
| Hardware, tools, etc.....                     | 37 41     |             |
| Harnesses, repairs, etc.....                  | 4 90      |             |
| Watering carts repairs .....                  | 281 35    |             |
| Standpipe repairs .....                       | 163 48    |             |
| New equipment .....                           | 440 00    |             |
| Special road treatment .....                  | 15,150 47 |             |
| Pension of foreman .....                      | 100 00    |             |
| Teaming .....                                 | 640 50    |             |
| Sundries .....                                | 1 42      |             |
|   | <hr/>     |             |
|   |           | 34,723 53   |
|   |           | <hr/>       |
| Balance .....                                 |           | \$ 22       |

## STREET WATERING

The use of water for laying the dust has been further discontinued during the past year. The number of watering carts was reduced to twenty-five. Consequently, we were able to expend a much larger sum for oil than ever before.

Practically every macadam street in the city has been treated with oil, the watering carts being confined to the smooth-paved thoroughfares.

Various kinds of road oils were tried, and in no case did the treatment prove unsuccessful. The following table shows the kind and quantity of material used.

|                                  |         |         |
|----------------------------------|---------|---------|
| Speare's Tasscoil, No. 1 .....   | 34,831  | gallons |
| Speare's Tasscoil, No. 2 .....   | 45,625  | "       |
| Standard, No. 4 .....            | 29,355  | "       |
| Island Refining Co. oil .....    | 13,722  | "       |
| Liquid Asphalt (Barber Co.)..... | 7,935   | "       |
| Dustoline .....                  | 24,070  | "       |
| Headley, No. 22 .....            | 15,906  | "       |
| Indian Asphalt Oil .....         | 23,889  | "       |
| Texaco .....                     | 16,295  | "       |
| Asphaltoil .....                 | 5,502   | "       |
|                                  | <hr/>   |         |
| Total .....                      | 216,180 | "       |

The amount expended for this treatment during the year was \$15,150.47, as compared with \$10,131.48.

It is the purpose of the department to make provision for equal or larger treatment the coming year. A ten thousand-gallon storage tank has been purchased, and will be erected at the Raymond Street Yard so as to be ready for the season of 1914. A pump will be installed so that tank cars at this siding may be immediately emptied into this tank and a substantial saving in demurrage bills will be saved. Not only will we be able to keep a supply of oil on hand, but economies in loading the distributor wagons will be effected. Last year each wagon had to be loaded by pumping from the tank car. This usually consumed from thirty to forty-five minutes, while under the new arrangement the oil will flow by gravity into the wagons, and one should load easily in ten to fifteen minutes.

I shall recommend the purchase of an additional distributor wagon this spring, as we are handicapped in the busy season by lack of apparatus. The year past has been most successful, and I believe that the citizens in general received more satisfaction than ever. The number of complaints was fewer than in previous years.

EDGESTONES AND SIDEWALKS

|  |            |             |
|--|------------|-------------|
| Appropriation .....                      |            | \$20,000 00 |
| Transferred by Auditor from revenue..... |            | 2,741 49    |
|  |            | <hr/>       |
|  |            | \$22,741 49 |
| Payroll .....                            | \$9,961 55 |             |
| Teaming . . . . .                        | 1,353 00   |             |
| Grain .....                              | 128 42     |             |
| Hardware, tools, etc.....                | 50 28      |             |
| Bricks .....                             | 3,104 57   |             |
| Edgestone .....                          | 4,649 02   |             |
| Gravel .....                             | 751 79     |             |
| New art. stone sidewalks .....           | 157 32     |             |
| Rebates, art. stone sidewalks .....      | 2,461 02   |             |
| Lighting .....                           | 124 52     |             |
|  | <hr/>      |             |
|  |            | 22,741 49   |
|  |            | <hr/>       |
|  |            | 00          |

The usual amount of edgestone and sidewalk work was completed during the year. There was also a large increase in the amount of granolithic work done.

There is a growing tendency toward this type of sidewalk, and a still larger amount will doubtless be put in the coming season.



## PENSIONS

|   |            |
|---|------------|
| Appropriation .....                         | \$2,793 00 |
| Transferred to sundry appropriations.....   | 349 68     |
|   | <hr/>      |
|   | \$2,443 32 |
| Transferred from Maintenance Salaries ..... | 54 02      |
|   | <hr/>      |
|   | \$2,497 34 |
| Total pension payrolls .....                | 2,497 34   |

This was the first year of this appropriation. As the appropriation was not made until the middle of May and the amounts were figured from the first of April, the sums paid out of the various other appropriations were returned to them. However, one new pension was granted during the year and one increased, and these amounts had to be charged in part to the appropriation for ashes.

## HORSES AND AUTOMOBILES

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$5,000 00 |
| Horses .....        | \$3,471 20 |
| Automobiles .....   | 1,528 80   |
|                     | <hr/>      |
|                     | 5,000 00   |

A number of new horses were purchased during the year, and several of the old ones were exchanged. The number of horses in the department remains as last year, at 68. Several died during the year.

Two automobiles were purchased; one a touring model for the use of the Superintendent, and a small runabout for the use of the district foreman.

## CROSSINGS

|                                     |            |
|-------------------------------------|------------|
| Appropriation .....                 | \$1,000 00 |
| Additional appropriation .....      | 100 00     |
|                                     | <hr/>      |
|                                     | \$1,100 00 |
| Transferred to Street Cleaning..... | 97 32      |
|                                     | <hr/>      |
|                                     | \$992 18   |

Several granite and brick crossings were laid during the year, and some old ones repaired. There are still a number of old and worn-out tar crossings which must be replaced this season with brick and a number of petitions are now on file for granite crossings.

SIDEWALK REPAIRS

|                                      |            |            |
|--------------------------------------|------------|------------|
| Appropriation .....                  |            | \$8,300 00 |
| Payroll .....                        | \$7,123 04 |            |
| Teaming .....                        | 269 63     |            |
| Grain .....                          | 128 42     |            |
| Bricks .....                         | 337 78     |            |
| Gravel .....                         | 367 17     |            |
| Repairs to art. stone sidewalks..... | 68 80      |            |
|                                      |            | <hr/>      |
|                                      |            | 8,294 84   |
| Balance .....                        |            | <hr/>      |
|                                      |            | \$5 16     |

There was a large amount of sidewalk relaid out of this appropriation the past year. Many of the older brick sidewalks are beginning to show signs of breaking up. Some of them have been laid for thirty or forty years and are requiring continual repairs. There was also a large increase in the number of "tree holes" repaired. Several hundred dead trees have been pulled out by the Park Department, and there are still many places where the edgestones or sidewalks have not been replaced.

MAINTENANCE SALARIES

|                                |            |            |
|--------------------------------|------------|------------|
| Appropriation .....            |            | \$6,498 00 |
| Transferred to Pensions .....  |            | 54 00      |
|                                |            | <hr/>      |
|                                |            | \$6,444 00 |
| Salary of Superintendent ..... | \$2,500 00 |            |
| Salary of Chief Clerk .....    | 1,450 00   |            |
| Salary of Office Clerks .....  | 1,670 00   |            |
| Salary of Yard Clerk .....     | 824 00     |            |
|                                |            | <hr/>      |
|                                |            | 6,444 00   |
|                                |            | <hr/>      |
|                                |            | 00         |

The salaries of the Superintendent and executive office force, together with the yard clerk, are paid from this appropriation.

# MOUNT AUBURN STREET, COOLIDGE AVENUE TO RAILROAD BRIDGE

|                                     |             |             |
|-------------------------------------|-------------|-------------|
| Appropriation .....                 |             | \$37,800 00 |
| Transferred to Prospect Street..... |             | 1,500 00    |
|                                     |             | <hr/>       |
|                                     |             | \$36,300 00 |
| Payroll .....                       | \$10,594 66 |             |
| Teaming .....                       | 1,715 25    |             |
| Grain .....                         | 254 27      |             |
| Hardware, tools, etc.....           | 117 35      |             |
| Gravel .....                        | 564 81      |             |
| Cement .....                        | 2,233 25    |             |
| Concrete stone .....                | 1,118 96    |             |
| Crushed stone .....                 | 70 50       |             |
| Bitulithic surface .....            | 18,675 64   |             |
| Fuel .....                          | 41 01       |             |
| Lighting .....                      | 109 18      |             |
|                                     | <hr/>       | 36,294 88   |
| Balance .....                       |             | <hr/>       |
|                                     |             | \$5 12      |

This appropriation was expended in completing the bithulithic surface on this street from Coolidge Avenue to the Railroad Bridge. The condition of this street prior to this work was such that it could be neglected no longer. In the narrow section west of Coolidge Avenue traffic had become almost dangerous, and the wide area above Brattle Street was completely worn out. This makes a continuous stretch of this type of pavement on this street from Brattle Square to the bridge about a mile and one-half long. The usual concrete base of five-inch depth was constructed by the city, and the two-inch bitulithic surface was applied by the Warren Brothers Company. The small area at the railroad station was not constructed this year.

# WESTERN AVENUE, GREEN STREET TO KINNAIRD STREET

|                           |            |             |
|---------------------------|------------|-------------|
| Appropriation .....       |            | \$10,000 00 |
| Payroll .....             | \$5,182 31 |             |
| Teaming .....             | 548 25     |             |
| Grain .....               | 125 95     |             |
| Hardware, tools, etc..... | 218 69     |             |
| Gravel .....              | 367 39     |             |
| Cement .....              | 574 81     |             |
| Concrete stone .....      | 435 76     |             |
| Crushed stone .....       | 59 71      |             |
| Fuel .....                | 38 20      |             |
| Lighting .....            | 77 01      |             |
| Salt hay .....            | 16 66      |             |
|                           | <hr/>      | 7,644 74    |
| Balance .....             |            | <hr/>       |
|                           |            | \$2,355 26  |



The amount expended above represents the area between the crossing at the City Building and the junction of Pleasant Street, which was repaved by laying a five-inch concrete base and setting the old blocks back upon it. The work was commenced late in the season, and was held up for a long time by the severe cold weather, necessitating heating the water for the concrete and covering the work with salt hay. It was finally closed in, and the balance is available to begin in the spring where we left off.

The rest of the street is in very poor condition, and a similar appropriation should be made the coming year to continue this repaving.

PROSPECT STREET, AUSTIN STREET TO BROADWAY

|   |            |             |
|---|------------|-------------|
| Appropriation .....                     |            | \$9,000 00  |
| Transferred from Mt. Auburn Street..... |            | 1,500 00    |
|   |            | <hr/>       |
|   |            | \$10,500 00 |
| Payroll .....                           | \$2,217 85 |             |
| Teaming .....                           | 180 75     |             |
| Hardware, tools, etc.....               | 11 36      |             |
| Gravel .....                            | 31 03      |             |
| Cement .....                            | 384 00     |             |
| Pitch .....                             | 14 15      |             |
| Wood blocks .....                       | 7,501 50   |             |
|   | <hr/>      |             |
|   |            | 10,498 70   |
|   |            | <hr/>       |
| Balance .....                           |            | \$1 30      |

The vitrified brick pavement which was laid in 1899 was so badly worn that a new surface was found necessary this year. The section between Massachusetts Avenue and Austin Street was completed with wood block last year. This year an appropriation was made which enabled us to continue the work from the north side of Austin Street to the south side of Broadway, with the exception of the center strip between the tracks. The old, vitrified bricks had been laid with a two-inch cushion of sand on a concrete base, so that it was necessary to add a half inch of sand, as well as the usual quantity of cement, in order to lay the three and one-half-inch wood blocks. In some places where the old base had settled it was necessary to lay a blanket of concrete on it to raise it to proper grade. The expansion joints were quickly and easily made by using moulded strips of asphalt, and the whole pavement was thoroughly grouted with cement. The railway company made no repairs in their section of the street other than elding the joints of their rails.



## ERIE STREET, WAVERLY STREET TO SIDNEY STREET

|  |          |            |
|--|----------|------------|
| Appropriation (from 1912) .....                |          | \$3,275 24 |
| Transferred to Broadway, Sixth to Kendall..... |          | 450 00     |
|  |          | <hr/>      |
|  |          | \$2,825 24 |
| Payroll .....                                  | \$798 48 |            |
| Teaming .....                                  | 133 50   |            |
| Granite blocks .....                           | 1,473 56 |            |
| Lighting .....                                 | 9 07     |            |
| Sewer work .....                               | 38 22    |            |
|  | <hr/>    | 2,452 83   |
| Balance .....                                  |          | <hr/>      |
|  |          | \$372 41   |

This was the balance of an appropriation made by the last year's city government to complete the paving of this street to Sidney Street from where it was discontinued the year before.

The street was paved with No. 1 Quincy granite blocks on a sand base.

## FIFTH STREET, CHARLES STREET TO BENT STREET

|                      |            |            |
|----------------------|------------|------------|
| Appropriation .....  |            | \$4,000 00 |
| Payroll .....        | \$1,216 90 |            |
| Teaming .....        | 294 75     |            |
| Gravel .....         | 108 87     |            |
| Cement .....         | 696 60     |            |
| Granite blocks ..... | 1,194 62   |            |
| Concrete stone ..... | 65 64      |            |
| Edgestone .....      | 219 95     |            |
|                      | <hr/>      | 3,797 33   |
| Balance .....        |            | <hr/>      |
|                      |            | \$205 67   |

This section of Fifth Street was paved with New Hampshire granite five-inch blocks on the usual five-inch concrete base. Edgestones were set the entire length on both sides and catch basins constructed to drain the street properly. The improvement was greatly needed and is appreciated by teaming interests in the vicinity.

## BROADWAY, COLUMBIA STREET TO WINDSOR STREET

|                           |            |            |
|---------------------------|------------|------------|
| Appropriation .....       |            | \$7,500 00 |
| Payroll .....             | \$2,100 06 |            |
| Teaming .....             | 436 50     |            |
| Hardware, tools, etc..... | 166 18     |            |
| Gravel .....              | 322 49     |            |
| Cement .....              | 656 33     |            |
| Concrete stone .....      | 375 49     |            |
| Crushed stone .....       | 50 56      |            |
| Sidewalk bricks .....     | 100 78     |            |
| Bitulithic surface .....  | 3,223 86   |            |
| Lighting .....            | 19 95      |            |
|                           | <hr/>      | 7,452 20   |
| Balance .....             |            | <hr/>      |
|                           |            | \$47 80    |

This appropriation was made to complete the remaining unpaved section of Broadway between Columbia Street and Windsor Street. The old macadam surface was taken out and a five-inch concrete base with the usual bitulithic surface was laid. The center strip was not constructed with bitulithic, but was paved with granite blocks and grouted with cement. This section, now complete, makes the street paved permanently its entire length.

## REBUILDING FIRST, THIRD AND SIXTH STREET BRIDGES

|                                       |          |                  |
|---------------------------------------|----------|------------------|
| Appropriation .....                   |          | \$3,600 00       |
| Transferred from Harvard Bridge ..... |          | 500 00           |
|                                       |          | <hr/> \$4,100 00 |
| Payroll, First Street Bridge.....     | \$368 49 |                  |
| Payroll Third Street Bridge .....     | 235 69   |                  |
| Payroll, Sixth Street Bridge .....    | 109 31   |                  |
| Teaming, First Street Bridge .....    | 3 00     |                  |
| Preservative .....                    | 25 75    |                  |
| Hardware, tools, etc .....            | 25 32    |                  |
| Lumber, First Street Bridge .....     | 449 10   |                  |
| Lumber, Third Street Bridge .....     | 171 78   |                  |
| Lumber, Sixth Street Bridge.....      | 75 17    |                  |
| "Hex" Wood Blocks, First Street ..... | 816 00   |                  |
| "Hex" Wood Blocks, Third Street ..... | 728 00   |                  |
| "Hex" Wood Blocks, Sixth Street ..... | 660 00   |                  |
| Asphalt, First Street Bridge .....    | 50 00    |                  |
| Asphalt, Third Street Bridge .....    | 61 00    |                  |
| Asphalt, Sixth Street Bridge .....    | 20 40    |                  |
| Locks, First Street Bridge .....      | 100 00   |                  |
| Locks, Third Street Bridge .....      | 100 00   |                  |
| Locks, Sixth Street Bridge .....      | 100 00   |                  |
|                                       | <hr/>    | 4,099 90         |
| Balance .....                         |          | <hr/> \$ 10      |

Carrying out a recommendation made in the last report, these three bridges were permanently paved. The old two-inch spruce top was stripped off, and it was found that the three-inch underdecking in many places needed renewal.

This necessitated an additional appropriation. A layer of tar paper was placed over the three-inch underdeck, and upon this was laid a hot asphalt coating about one inch thick. A hexagonal-shaped wood block, with the usual creosote treatment, was laid in this mastic and thoroughly grouted with hot asphalt filler. The draw leaves were not paved on account of the excessive weight of the blocks.

It is expected that this will be a most economical treatment as







CENTRAL SQ., LOOKING NORTH. COMPLETED WOOD BLOCK PAVING.



the high cost of spruce lumber has made the repairs on these bridges very large. The old method of laying spruce plank with the grain lengthwise resulted in an entire new deck at least once a year. As these blocks are laid with the grain up and are waterproof, they should not only last a number of years, but will preserve the underdeck as well.

CENTRAL SQUARE

|   |            |             |
|---|------------|-------------|
| Appropriation .....   |            | \$7,600 00  |
| Transferred from Mass. Avenue, Lafayette Sq. to Inman Street. |            | 4,702 43    |
| Transferred from Harvard Bridge.....                          |            | 565 85      |
|   |            | <hr/>       |
|   |            | \$12,868 28 |
| Payroll .....   | \$6,143 23 |             |
| Teaming .....   | 643 50     |             |
| Hardware, tools, etc.....                                     | 73 58      |             |
| Gravel .....  | 144 95     |             |
| Cement .....  | 199 25     |             |
| Pitch .....   | 57 64      |             |
| Wood blocks .....   | 4,921 00   |             |
| Concrete stone .....  | 590 52     |             |
| Lighting .....  | 94 61      |             |
|   | <hr/>      |             |
|   |            | 12,868 28   |
|   |            | <hr/>       |

The balance of the Massachusetts Avenue, Central Square to Inman Street, appropriation was transferred to this appropriation, and \$7,600 was added to make a complete job of the square.

At the close of the 1912 season, no further work on this square could be completed until the track changes asked for by the Boston Elevated Railway Company were decided upon. These were granted early in the spring of 1913, and the company immediately ordered their special track castings. However, considerable delay was experienced in getting delivery, and it was not until late in September that we were able to begin work. We had remaining from the last year about 2,700 square yards of wood block stored at the Hampshire Street Yard, and 1,900 square yards of new blocks were purchased to complete the work.

The type of construction was identical with the Massachusetts Avenue job of last year. The old, worn-out granite blocks were removed and sorted, and such of them as were valuable were used in the construction of Binney Street. A five-inch concrete base was laid and covered with the usual dry mortar cushion of one-inch depth. The four-inch wood blocks were then set upon this cushion and rammed into place. A cement grout was then poured over the whole surface. The usual expansion joint of asphalt was used. This was

doubtless the most-needed improvement on the whole avenue, as the street surface in this vicinity had been in deplorable condition for some years past, due to the construction of the new subway.

I feel that the best possible pavement has been laid here, and the appearance of the square is now a credit to the city.

### BROADWAY, SIXTH STREET TO KENDALL SQUARE

|                                    |            |             |
|------------------------------------|------------|-------------|
| Appropriation .....                |            | \$14,300 00 |
| Transferred from Erie Street ..... |            | 450 00      |
|                                    |            | <hr/>       |
| Total .....                        |            | \$14,750 00 |
| Payroll .....                      | \$5,052 22 |             |
| Teaming .....                      | 740 25     |             |
| Grain .....                        | 121 01     |             |
| Hardware, tools, etc.....          | 347 55     |             |
| Gravel .....                       | 532 32     |             |
| Cement .....                       | 1,263 51   |             |
| Lumber .....                       | 61 08      |             |
| Granite blocks .....               | 5,968 93   |             |
| Concrete stone .....               | 534 59     |             |
| Crushed stone .....                | 29 40      |             |
| Sidewalk bricks .....              | 20 85      |             |
| Lighting .....                     | 78 19      |             |
|                                    | <hr/>      | 14,749 90   |
| Balance .....                      |            | <hr/> \$ 10 |

This section of Broadway was constructed with Rockport granite blocks on a concrete base. The old blocks were removed and used in the construction of Sixth Street.

This completes the paving of the street with first-class blocks from Kendall Square to the Railroad Crossing.

The old block which was laid on a gravel base was badly worn by the heavy traffic through the street and had been down over twenty years.

### BRIDGE STREET, FROM 200 FEET EAST OF CAMBRIDGE STREET TO NO. 50 BRIDGE STREET

|                           |            |             |
|---------------------------|------------|-------------|
| Appropriation .....       |            | \$7,500 00  |
| Payroll .....             | \$2,326 96 |             |
| Teaming .....             | 737 25     |             |
| Hardware, tools, etc..... | 8 62       |             |
| Gravel .....              | 185 58     |             |
| Cement .....              | 1,213 54   |             |
| Granite blocks .....      | 2,639 00   |             |
| Concrete stone .....      | 359 18     |             |
| Lighting .....            | 29 84      |             |
|                           | <hr/>      | 7,499 97    |
| Balance .....             |            | <hr/> \$ 03 |

This appropriation was expended in laying new five-inch Rockport granite blocks on a concrete base upon the worst part of this street. No other street in the city is subjected to such continuous heavy traffic, and the old block was badly worn, being laid only on gravel.

Much of block removed from this street was found to be fairly good on one side, and was used in the construction of Binney Street.

A continuation of this class of granite block on a concrete base will be necessary on that section of this street which lies below Cambridge Street towards Somerville in the near future.

### GARDEN STREET, HURON AVENUE TO LINNAEAN STREET

|                           |            |             |
|---------------------------|------------|-------------|
| Appropriation .....       |            | \$11,000 00 |
| Payroll .....             | \$3,531 27 |             |
| Teaming .....             | 607 50     |             |
| Grain .....               | 123 48     |             |
| Hardware, tools, etc..... | 67 62      |             |
| Gravel .....              | 124 69     |             |
| Cement .....              | 348 80     |             |
| Concrete stone .....      | 517 32     |             |
| Edgestone .....           | 416 05     |             |
| Bitulithic surface .....  | 5,110 03   |             |
| Fuel .....                | 55 90      |             |
| Lighting .....            | 22 20      |             |
| Sewer work .....          | 75 14      |             |
|                           | <hr/>      | <hr/>       |
|                           |            | 11,000 00   |

This section of Garden Street has been constructed with bitulithic pavement on concrete base. Edgestones have been set out of this appropriation on the west side of the street.

The usual five-inch concrete base was laid. Some difficulty was met on account of springs of water in the street, and we were obliged to construct pipe drains with open joints on both sides of the street.

The improvement is greatly appreciated by residents and others having occasion to travel through this part of the street, as previously it was only a gravel road with clay bottom and was continually cut up by the heavy traffic from the brick yards beyond, and in wet weather was almost impassable.



BINNEY STREET, SIXTH STREET TO FIRST STREET.

|                           |             |             |
|---------------------------|-------------|-------------|
| Appropriation .....       |             | \$24,000 00 |
| Payroll .....             | \$12,579 61 |             |
| Teaming .....             | 4,344 00    |             |
| Hay .....                 | 325 06      |             |
| Grain .....               | 160 32      |             |
| Hardware, tools, etc..... | 374 76      |             |
| Gravel .....              | 1,205 27    |             |
| Cement .....              | 1,488 03    |             |
| Lumber .....              | 7 66        |             |
| Concrete stone .....      | 1,070 32    |             |
| Crushed stone .....       | 51 76       |             |
| Edgestone .....           | 2,119 67    |             |
| Flagging .....            | 57 94       |             |
| Fuel .....                | 42 94       |             |
| Lighting .....            | 146 69      |             |
| Sewer work .....          | 25 97       |             |
|                           |             | <hr/>       |
|                           |             | 24,000 00   |

This was the largest paving job of the year. The old granite blocks were taken out of Massachusetts Avenue last year and stored at the Norfolk Street Yard and were used in the construction of this street. The old blocks taken out of Central Square and Bridge Street this year were also utilized.

Edgestones were set on both sides of the street and catch basins constructed. A five-inch concrete base was laid, and upon this was placed a two-inch sand cushion.

The blocks were then set into this and thoroughly rammed into place. The entire surface was then grouted with cement grout after the interstices in the blocks had been filled with pea stone.

The complete job presents a fine appearance, and is a distinct advantage to the manufacturing interests in that section of the city.

RECOMMENDATIONS

The condition of Concord Avenue from Walden Street to the Belmont line is now worse than ever, and another attempt has been made to get the State to take over the street as a State highway. A determined effort will be made to accomplish this during the present session of the Legislature.

The most important consideration of the coming year will be that of the Hassam pavement on Massachusetts Avenue from the Railroad Bridge to the Arlington line. Several different plans have been considered for its entire resurfacing and something should be started the coming season. A new surface is urgently needed, and as much of it should be covered as the finances will allow.



I should recommend that the section of Massachusetts Avenue lying between Bigelow Street and Quincy Square should be paved with some first-class pavement such as wood block, and thereby make a continuous job from Lafayette Square to Garden Street.

I recommend also the following list of streets for granite pavement. There have been many requests for the paving of these streets from the manufacturing interests the past few years.

Athenaeum Street, entire.

State Street, entire.

Binney Street, Sixth Street to Ninth Street.

Sixth Street, Main Street to Broadway.

Sixth Street, Binney Street to Charles Street.

Hampshire Street, Inman Square to Somerville line.

Somerville Avenue, at Cambridge Station.

The following are recommended for repaving on concrete base.

Western Avenue, Pleasant Street to the Parkway.

First Street, entire.

Portland Street, entire.

Main Street, Columbia Street to Kendall Square.

There is a sufficient quantity of hexagonal wood blocks at the Hampshire Street Yard to pave the larger part of the railroad bridge on Mount Auburn Street, and I will recommend that an appropriation be made to do this work early in the year.

Under the new municipal finance law, the city can now borrow money on ten-year serial bonds for the construction of new streets, and I believe that the City Council should consider several of these streets for construction, as the development will encourage building on many of them and thus increase our valuation. For the past four years no such opportunity has been available, but the legal restriction has now been removed.

The city can also borrow funds now for the construction of macadam streets provided the specifications meet the approval of the Massachusetts Highway Commission. This would be a great help on our maintenance account, as it would mean that a larger area could be constructed each year of the ordinary macadam work.

The new Stadium Bridge is now completed and some permanent roadway should be constructed from the end of the bitulithic on Boylston Street to this Bridge. A proposition to meet the expense of this has been made to Harvard University.

The year just completed has been one of the most successful in the history of the department both in point of amount of work accom-

plished and the importance of the same. The total amount appropriated for use of the department in all its branches was \$467,537.29.

I desire to express my appreciation of the work of the employees of the department, as I believe they have maintained as high a standard as any municipality in this district.

I also wish to thank His Honor the Mayor for his active interest in this department, as well as those other officials of the city whose co-operation and assistance has contributed to the success of the year's work. The Committee on Highways also deserve special mention, as their work was of prime importance and creditably performed.

Respectfully submitted,

EDWARD W. QUINN,

*Superintendent of Streets.*

## STREET DEPARTMENT

INVENTORY OF REAL AND PERSONAL PROPERTY  
REAL ESTATE

| Location         | Buildings and Land   | Erection<br>of<br>Buildings | Purchase<br>of<br>Land | Feet<br>of<br>Land | Valuation<br>of<br>Land | Valuation<br>of<br>Buildings |
|------------------|--|-----------------------------|------------------------|--------------------|-------------------------|------------------------------|
| Raymond St....   | City Yard and Stable, stable, sheds, scales, etc. ....                     | 1897                        | 1896                   | 272,670            | \$27,000                | \$27,000                     |
|                  | Incinerator plant .....  | 1912                        | .....                  | .....              | .....                   | 5,500                        |
| Hampshire St..   | City stable, sheds, stables and scales, including old police station ..... | 1885                        | .....                  | 72,661             | 30,000                  | 16,000                       |
| E. S. Norfolk St | Yard and pound .....   | .....                       | .....                  | 34,650             | 10,400                  | .....                        |
| River St.....    | Yard and wharf .....   | .....                       | .....                  | 41,546             | 17,000                  | .....                        |
| Acton, Mass...   | Land, gravel bank .....  | .....                       | 1896                   | .....              | 3,000                   | .....                        |
| Main St.....     | Land and Incinerator plant.  | 1908                        | .....                  | 93,424             | 31,900                  | 18,000                       |
|                  |  |                             |                        |                    | \$119,300               | \$66,500                     |

Total valuation of real estate ..... \$185,800 00

*Brought forward* ..... \$185,800 00

## PERSONAL PROPERTY

|  |                    |
|--|--------------------|
| 68 horses .....  | \$13,600 00        |
| 45 watering carts .....  | 11,000 00          |
| 65 single and double carts .....   | 5,200 00           |
| 90 sets of harnesses .....   | 2,000 00           |
| 1 oil tank 10,000 gals. cap .....  | 450 00             |
| 1 concrete mixer .....   | 900 00             |
| 2 automobiles .....  | 1,300 00           |
| 2 bicycles .....   | 50 00              |
| 4 steam rollers .....  | 11,500 00          |
| 1 scarifier .....  | 450 00             |
| 10 Shadbolt carts .....  | 3,300 00           |
| 2 Watson carts .....   | 400 00             |
| 134 ft. straight edgestone .....   | 71 02              |
| 50 ft. circle edgestone .....  | 30 00              |
| 75,000 granite paving blocks, seconds .....  | 1,500 00           |
| 4,500 sidewalk bricks .....  | 62 55              |
| 686 ft. granite flagging .....   | 480 20             |
| 100 tons of field stone.....   | 75 00              |
| 130 tons crushed stone .....   | 130 00             |
| 12 tons coal .....   | 54 92              |
| Stone crushing plant, Raymond Street .....   | 5,000 00           |
| Stone crushing plant, Hampshire Street.....  | 5,000 00           |
| Furnace and boiler, Main Street incinerator.....   | 9,000 00           |
| Miscellaneous tools, road machines, machine brooms, scrapers, brooms, waste barrels, push carts, etc. .... | 10,000 00          |
| Miscellaneous buggies, sleighs, pungs, plows, wagons, etc. ....  | 3,500 00           |
| Miscellaneous lumber, iron, grain, paints, leather and general hardware .....                              | 1,500 00           |
|  | <hr/>              |
|  | 86,553 69          |
| Grand Total .....  | <hr/> \$272,353 69 |



PERMITS

OPENING PERMITS

|  |     |       |
|--|-----|-------|
| Boston & Albany Railroad .....             | 10  |       |
| Boston Elevated Railway Company .....      | 25  |       |
| Boston & Maine Railroad .....              | 1   |       |
| Boston Consolidated Gas Co.....            | 3   |       |
| Cambridge Electric Light Co.....           | 97  |       |
| Cambridge Gas Light Company .....          | 702 |       |
| Metropolitan Water and Sewerage Board..... | 3   |       |
| New England Tel. and Tel. Co.....          | 89  |       |
| Water Department .....                     | 23  |       |
| Drain layers .....                         | 213 |       |
| Miscellaneous .....                        | 48  |       |
|  | —   | 1,214 |

OBSTRUCTION PERMITS

|   |     |     |
|---|-----|-----|
| Dust removing wagons .....                  | 5   |     |
| Removing trees .....                        | 26  |     |
| Tar kettle contractors .....                | 64  |     |
| Steam rollers passing through streets ..... | 2   |     |
| Miscellaneous .....                         | 540 |     |
|   | —   | 637 |
| Moving buildings .....                      |     | 3   |
| Board walks .....                           |     | 42  |

ARTIFICIAL STONE SIDEWALKS

|   |    |       |
|---|----|-------|
| Thomas Allen .....                      | 10 |       |
| Hervey F. Armington, Inc.....           | 4  |       |
| The Armor Concrete Construction Co..... | 2  |       |
| William F. Condon .....                 | 20 |       |
| Benjamin Fox, Inc. ....                 | 3  |       |
| Thomas J. Hind, Inc. ....               | 3  |       |
| Simpson Brothers Corporation .....      | 11 |       |
| Otto A. Theurer .....                   | 10 |       |
| Warren Brothers Co.....                 | 4  |       |
| Frederick O. White .....                | 21 |       |
|   | —  | 88    |
| Selling goods on sidewalks .....        |    | 53    |
| Grand Total .....                       |    | 2,037 |

The issuing is an important feature of the office work. The preceding table shows in detail the number and kinds of permits issued during the year.



# REPORT OF THE COMMISSIONER OF BOSTON AND CAMBRIDGE BRIDGES

---

*To the Honorable, the City Council:*

Gentlemen:—In accordance with the provisions of Section 3, Chapter 5, of the Revised Ordinances, the undersigned respectfully submits his report for the fiscal year ending March 31, 1914.

## HARVARD BRIDGE

During the past year several serious accidents have occurred on this bridge, due to overspeeding and reckless automobilists, and the remedy for this seems to be in the hands of the police of both cities. I recommend that vigorous action be taken to stop this practice at once. As the roadway on this bridge was paved only last year, it is still in excellent condition. However, extensive repairs should be made during the coming year on the piers, as the under structures are in poor condition. Several stringers have been replaced in the draw, and it has been resheathed twice during the year.

## BROOKLINE STREET BRIDGE

In accordance with a recommendation made in last year's report, this bridge was entirely repaved with three and one-half-inch blocks. All old and worn-out timbers were removed and replaced with new hard pine. A new creosoted hard pine deck was also laid. This pavement was laid by James Doherty of Boston, who was the lowest of several bidders and is under five-year guaranty. The cost to Cambridge was \$6,452.25. There should be little or no repairs necessary to this bridge for some time to come.

## PRISON POINT BRIDGE

The entire roadway has been resheathed twice during the past year and will require the usual amount of repairs the coming year. I feel that the interests of economy would be served by laying some permanent pavement on this bridge. The iron work is still in poor condition and should be painted this year. Some provision should be

made for replacing the old wooden fence with an iron one, as the compact wooden wall makes the bridge difficult of operation of windy days and endangers the machinery.

### CAMBRIDGE BRIDGE

Considerable patching will be necessary this year on the granite pavement on this bridge. The superstructure is greatly in need of painting. The rust has formed to such an extent that the cleaning and patch painting of the entire work should be commenced at once, and I shall recommend an appropriation of \$8,000 for repairing the roadway and repainting the bridge. During the year the stairways in the tower have been given a coating of red lead and one coat of paint. Considerable repairs have been necessary to the lamp-posts.

### RIVER STREET BRIDGE

During the past year the down-stream pier was entirely rebuilt with hard pine. The roadway was resheathed and some repairs made to the decking. The coming year the roadway will require sheathing and the upstream pier will have to be rebuilt

### WESTERN AVENUE BRIDGE

The usual repairs have been made to the roadway the past year, and both piers should be rebuilt this year.

### NEW STADIUM BRIDGE

This bridge is now almost completed and will probably be turned over to this commission in July. The lighting and paving are the only unfinished items at the present writing. The bridge will probably be paved with wood blocks. Provision will have to be made for the expense of lighting and general maintenance in the estimates for the coming year.

I desire at this time to express my appreciation of the co-operation and assistance of the Boston Commissioner, Mr. Frederick H. Fay, and also the engineering department of the City of Boston.

Respectfully submitted,

FRANCIS J. SMITH,

*Bridge Commissioner.*

BOSTON AND CAMBRIDGE BRIDGES

Classification of expenditures by the City of Cambridge from April 1, 1913, to March 31, 1914, which is one-half of the cost of the care and maintenance of these bridges, the other half being paid by the City of Boston

|                                    | Brookline | Cambridge  | Harvard    | Prison Pt. | River      | West'n Ave. | Admin.     | Totals      |
|------------------------------------|-----------|------------|------------|------------|------------|-------------|------------|-------------|
| Salaries .....                     | .....     | \$1,486 28 | \$2,878 32 | \$2,868 46 | \$2,875 25 | .....       | \$950 00   | \$11,058 31 |
| General Repairs .....              | \$167 26  | 37 97      | 292 04     | 606 89     | 461 46     | \$256 40    | .....      | 1,822 02    |
| Lumber .....                       | 121 31    | .....      | 171 75     | 382 64     | 295 62     | 105 40      | .....      | 1,076 72    |
| Sanding and Sweeping .....         | .....     | 67 68      | 126 69     | .....      | .....      | .....       | .....      | 194 37      |
| Hardware, Tools and Supplies ..... | 4 70      | 41 86      | 27 78      | 42 11      | 46 43      | 10 18       | .....      | 173 06      |
| Lighting .....                     | 233 13    | 1,703 97   | 895 19     | 8 58       | 32 45      | 32 44       | .....      | 2,905 76    |
| Iron and Mach. Work .....          | .....     | 129 15     | 210 91     | 126 87     | .....      | .....       | .....      | 466 93      |
| Fuel .....                         | .....     | 2 52       | 33 91      | 17 55      | 12 96      | .....       | .....      | 66 94       |
| Office Exp. ....                   | .....     | .....      | .....      | .....      | .....      | .....       | 37 17      | 37 17       |
| Traveling Exp. ....                | .....     | .....      | .....      | .....      | .....      | .....       | 35 00      | 35 00       |
| Totals .....                       | \$526 40  | \$3,469 43 | \$4,636 59 | \$4,053 10 | \$3,724 17 | \$404 42    | \$1,022 17 | \$17,836 28 |

MONTHLY SUMMARY OF DRAW OPENINGS

|               | CAMBRIDGE STREET-<br>RIVER STREET |         |          | HARVARD |         |          | PRISON POINT |         |          | WESTERN AVENUE |         |          |
|---------------|-----------------------------------|---------|----------|---------|---------|----------|--------------|---------|----------|----------------|---------|----------|
|               | Vessels                           | Cargoes | Openings | Vessels | Cargoes | Openings | Vessels      | Cargoes | Openings | Vessels        | Cargoes | Openings |
| 1913          |                                   |         |          |         |         |          |              |         |          |                |         |          |
| April.....    | 80                                | ..      | 39       | 97      | 20      | 54       | 35           | 7       | 19       | 67             | ..      | 31       |
| May.....      | 78                                | ..      | 41       | 131     | 16      | 74       | 61           | 10      | 34       | 78             | ..      | 41       |
| June.....     | 40                                | ..      | 22       | 66      | 5       | 44       | 49           | 8       | 27       | 30             | ..      | 16       |
| July.....     | 26                                | ..      | 13       | 16      | 1       | 10       | 47           | 6       | 26       | 18             | ..      | 7        |
| August.....   | 13                                | ..      | 8        | 89      | 16      | 57       | 40           | 6       | 19       | 7              | ..      | 4        |
| September.... | 5                                 | ..      | 3        | 85      | 15      | 54       | 103          | 17      | 58       | 2              | ..      | 1        |
| October.....  | 20                                | ..      | 11       | 98      | 18      | 59       | 40           | 7       | 22       | 5              | ..      | 3        |
| November....  | 20                                | ..      | 11       | 76      | 15      | 48       | 29           | 4       | 17       | 9              | ..      | 5        |
| December....  | 24                                | ..      | 15       | 92      | 12      | 58       | 56           | 9       | 32       | 26             | ..      | 17       |
| 1914          |                                   |         |          |         |         |          |              |         |          |                |         |          |
| January.....  | ..                                | ..      | ..       | 9       | 1       | 6        | 54           | 7       | 32       | ..             | ..      | ..       |
| February..... | ..                                | ..      | ..       | ..      | ..      | ..       | 36           | 7       | 19       | ..             | ..      | ..       |
| March.....    | ..                                | ..      | ..       | 16      | 2       | 12       | 51           | 8       | 32       | ..             | ..      | ..       |
| Totals.....   | 306                               | ..      | 163      | 775     | 121     | 476      | 601          | 96      | 337      | 242            | ..      | 125      |



# REPORT OF THE CITY TREASURER

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CITY OF CAMBRIDGE, MASS.,

OFFICE OF THE CITY TREASURER, April 1, 1914.

*To the Honorable, the City Council:—*

In the following pages I submit a detailed report of the receipts and expenditures of the public funds by the Treasury Department, during the year ending March 31, 1914, including an account of all bonded and temporary loans negotiated in said year, also a detailed account of official fees received, and reports of all trust funds in the care of the City Treasurer.

Very respectfully,

TIMOTHY W. GOOD,  
*City Treasurer.*

## CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM APRIL 1, 1913, TO

Dr.

To authorized payments charged to city accounts:—

## Assessments:—

|                              |        |
|------------------------------|--------|
| Street Sprinkling            |        |
| Taxes, 1911—Abatements ..... | \$2 96 |
| Taxes, 1912—Abatements ..... | 1 76   |
| Taxes, 1912—Refund .....     | 19 36  |
| Taxes, 1913—Abatements ..... | 109 90 |

## Moth Extermination:—

|                              |       |
|------------------------------|-------|
| Taxes, 1911—Abatements ..... | 75    |
| Taxes, 1913—Abatements ..... | 11 33 |

## Trustees of Cemetery Fund:—

|                      |          |
|----------------------|----------|
| Perpetual Care ..... | 3,957 25 |
|----------------------|----------|

## City Messenger's Department:—

|                              |          |
|------------------------------|----------|
| Postage and Stationery ..... | 1,175 00 |
|------------------------------|----------|

|  |            |
|--|------------|
| Damages to Persons and Personal Property ..... | 6,488 75   |
| Interest .....                                 | 337,909 67 |
| Interest on Water Loan .....                   | 110,965 25 |
| Licenses .....                                 | 113 60     |

|                      |            |
|----------------------|------------|
| Loan—Temporary ..... | 400,000 00 |
| Park Serial .....    | 2,000 00   |
| Water .....          | 62,500 00  |
| Water Serial .....   | 4,000 00   |
| Clay Lands .....     | 10,000 00  |

|                      |        |
|----------------------|--------|
| Outdoor Relief ..... | 698 41 |
|----------------------|--------|

## Park Department:—

|                           |        |
|---------------------------|--------|
| Maintenance General ..... | 107 80 |
|---------------------------|--------|

## Sinking Funds:—

|                                      |            |
|--------------------------------------|------------|
| Brookline Bridge .....               | 333 33     |
| Cambridge Bridge .....               | 12,456 53  |
| Cambridge Bridge—Special .....       | 616 00     |
| Clay Lands .....                     | 1,485 00   |
| Commercial Avenue Bridge .....       | 666 67     |
| Water .....                          | 92,880 00  |
| General .....                        | 152,642 51 |
| Harvard Bridge .....                 | 8,800 00   |
| Improved Sewerage .....              | 8,778 00   |
| Metropolitan Park Assessment .....   | 1,012 00   |
| City of Cambridge Acts of 1908 ..... | 36,000 00  |
| Hospital .....                       | 5,625 00   |
| Parks .....                          | 25,666 66  |
| Separate System .....                | 5,874 00   |
| Charles River Basin .....            | 5,400 00   |
| Playgrounds—Land .....               | 2,090 00   |

## Sewer Department:—

|                    |        |
|--------------------|--------|
| Construction ..... | 327 32 |
|--------------------|--------|

|                              |                |
|------------------------------|----------------|
| Amount carried forward ..... | \$1,300,714.81 |
|------------------------------|----------------|

MARCH 31, 1914 (inclusive), WITH TIMOTHY W. GOOD, CITY TREAS.

## Cr.

## Assessments:—

|                 |            |
|-----------------|------------|
| Sewers .....    | \$8,154 28 |
| Sidewalks ..... | 12,376 87  |

## Street Sprinkling:—

|                   |           |
|-------------------|-----------|
| Taxes, 1910 ..... | 85 20     |
| Taxes, 1911 ..... | 489 72    |
| Taxes, 1912 ..... | 2,865 05  |
| Taxes, 1913 ..... | 30,559 81 |

## Moth Extermination:—

|                   |          |
|-------------------|----------|
| Taxes, 1910 ..... | 3 25     |
| Taxes, 1911 ..... | 23 65    |
| Taxes, 1912 ..... | 179 67   |
| Taxes, 1913 ..... | 1,617 42 |

|                                    |      |
|------------------------------------|------|
| Boston and Cambridge Bridges ..... | 5 86 |
|------------------------------------|------|

## Cemetery Department:—

|               |           |
|---------------|-----------|
| Burials ..... | 12,430 20 |
|---------------|-----------|

|                                |          |
|--------------------------------|----------|
| Sales of Lots and Graves ..... | 6,705 00 |
|--------------------------------|----------|

## Trustees of Cemetery Fund:—

|                      |          |
|----------------------|----------|
| Perpetual Care ..... | 3,957 25 |
|----------------------|----------|

|                               |          |
|-------------------------------|----------|
| City Clerk's Department ..... | 1,288 15 |
|-------------------------------|----------|

|                             |          |
|-----------------------------|----------|
| Electrical Department ..... | 1,000 00 |
|-----------------------------|----------|

## City Messenger's Department:—

|                              |          |
|------------------------------|----------|
| Postage and Stationery ..... | 1,794 28 |
|------------------------------|----------|

|  |      |
|--|------|
| Damages to Persons and Personal Property ..... | 5 00 |
|--|------|

|                         |           |
|-------------------------|-----------|
| Health Department ..... | 19,881 48 |
|-------------------------|-----------|

|                     |        |
|---------------------|--------|
| Modified Milk ..... | 610 70 |
|---------------------|--------|

|                |           |
|----------------|-----------|
| Interest ..... | 25,025 29 |
|----------------|-----------|

|                              |        |
|------------------------------|--------|
| Interest on Water Loan ..... | 154 29 |
|------------------------------|--------|

|                      |          |
|----------------------|----------|
| Law Department ..... | 1,017 06 |
|----------------------|----------|

|                             |          |
|-----------------------------|----------|
| Libraries, Fines, Etc. .... | 1,011 38 |
|-----------------------------|----------|

|                |          |
|----------------|----------|
| Licenses ..... | 4,813 71 |
|----------------|----------|

|                   |          |
|-------------------|----------|
| Dog License ..... | 3,961 52 |
|-------------------|----------|

|                      |            |
|----------------------|------------|
| Loan—Temporary ..... | 400,000 00 |
|----------------------|------------|

|                 |           |
|-----------------|-----------|
| Municipal ..... | 36,000 00 |
|-----------------|-----------|

|              |            |
|--------------|------------|
| Street ..... | 193,000 00 |
|--------------|------------|

|             |           |
|-------------|-----------|
| Sewer ..... | 31,000 00 |
|-------------|-----------|

|                    |           |
|--------------------|-----------|
| School House ..... | 65,000 00 |
|--------------------|-----------|

|                    |           |
|--------------------|-----------|
| Water Serial ..... | 50,000 00 |
|--------------------|-----------|

|                 |           |
|-----------------|-----------|
| Buildings ..... | 55,000 00 |
|-----------------|-----------|

|                               |           |
|-------------------------------|-----------|
| School Teachers' Salary ..... | 28,000 00 |
|-------------------------------|-----------|

|                           |          |
|---------------------------|----------|
| Municipal Buildings ..... | 4,490 83 |
|---------------------------|----------|

## Overseers of the Poor:—

|                 |        |
|-----------------|--------|
| City Home ..... | 524 47 |
|-----------------|--------|

|                              |                |
|------------------------------|----------------|
| Amount carried forward ..... | \$1,003,031 39 |
|------------------------------|----------------|

## CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM APRIL 1, 1913, TO

## Dr.

|                              |                |
|------------------------------|----------------|
| Amount brought forward ..... | \$1,300,714 81 |
| Taxes, 1909—Abatements ..... | 525 00         |
| Taxes, 1910—Abatements ..... | 502 50         |
| Taxes, 1911—Abatements ..... | 567 15         |
| Taxes, 1912—Abatements ..... | 5,992 56       |
| Taxes, 1913—Abatements ..... | 40,395 88      |
| Taxes, 1913—Refunds .....    | 183 60         |
| Tax Lien Account .....       | 303 30         |
| Tax—County .....             | 106,103 33     |
| State .....                  | 210,320 00     |
| National Bank .....          | 4,235 16       |
| Grade Crossing .....         | 2,080 00       |
| Metropolitan Park .....      | 60,733 78      |
| Metropolitan Sewer .....     | 111,944 92     |
| Alewife Brook .....          | 4,788 13       |
| Smoke Nuisance .....         | 413 04         |
| Charles River Basin .....    | 17,066 17      |
| Charles River Bridge .....   | 27,587 41      |
| Collector's Rebates .....    | 65 32          |
| Taxes, 1909 .....            | 235 65         |
| Taxes, 1910 .....            | 126 05         |
| Taxes, 1911 .....            | 2,413 74       |
| Taxes, 1912 .....            | 18 73          |
| Memorial Flag Staff .....    | 4,824 00       |
| Water Department:—           |                |
| Maintenance General .....    | 53,745 82      |
| Fresh Pond Reservoir .....   | 73 15          |
| Hobbs Brook Conduit .....    | 5,000 00       |
| Construction General .....   | 1,386 00       |
| Abatements .....             | 2,507 36       |
| Refunds .....                | 1,866 30       |
| Mayor's Drafts .....         | 2,367,173 78   |

---

Amount carried forward .....\$4,333,892 64



MARCH 31, 1914 (inclusive), WITH TIMOTHY W. GOOD, CITY TREAS.

## Cr.

|                                      |                       |
|--------------------------------------|-----------------------|
| Amount brought forward .....         | \$1,003,031 39        |
| City Home Hospital .....             | 202 07                |
| City Farm .....                      | 4,382 80              |
| Outdoor Relief .....                 | 4,120 52              |
| House Offal .....                    | 12,713 14             |
| Park Department:—                    |                       |
| Construction .....                   | 867 82                |
| Maintenance general .....            | 24 25                 |
| Cambridge Field and Shelter .....    | 312 12                |
| Rindge Field and Shelter .....       | 121 98                |
| Moth Extermination .....             | 130 39                |
| Baths—Captains Island .....          | 729 65                |
| Floating Bath .....                  | 5 04                  |
| Russell Field—Maintenance ....       | 1 70                  |
| Police Department:—                  |                       |
| Court Fines .....                    | 4,825 17              |
| Public Safety .....                  | 789 00                |
| Premiums—City Bonds .....            | 202 30                |
| School Department .....              | 9,557 21              |
| Thorndike School Baths .....         | 52 37                 |
| Sealer of Weights and Measures ..... | 765 78                |
| Sale of Lassell School .....         | 2,918 00              |
| Riverside School .....               | 2,939 00              |
| Dana School Lot, Centre Street ..... | 3,339 00              |
| Sale of Public Land .....            | 50 00                 |
| Rent of Land—Harvard College .....   | 2,400 00              |
| Sinking Fund Commissioners .....     | 60,000 00             |
| State Aid .....                      | 12,933 00             |
| Sewer Department:—                   |                       |
| Maintenance .....                    | 124 78                |
| Street Department:—                  |                       |
| Construction—Subway .....            | 1,734 35              |
| Incinerator .....                    | 900 00                |
| Maintenance and Repairs .....        | 1,948 99              |
| Sidewalk Repairs .....               | 1,407 02              |
| Sprinkling .....                     | 393 43                |
| Taxes, 1909—Polls .....              | 144 00                |
| Personal .....                       | 720 30                |
| Taxes, 1910—Polls .....              | 530 00                |
| Personal .....                       | 1,166 26              |
| Real Estate .....                    | 1,949 92              |
| Taxes, 1911—Polls .....              | 374 00                |
| Personal .....                       | 1,408 42              |
| Real Estate .....                    | 23,745 71             |
| Taxes, 1912—Polls .....              | 7,578 00              |
| Personal .....                       | 34,582 08             |
| Real Estate .....                    | 160,254 93            |
| Amount carried forward .....         | <u>\$1,366,375 89</u> |

CITY OF CAMBRIDGE IN ACCOUNT CURRENT FROM APRIL 1, 1913, TO

Dr.

Amount brought forward .....\$4,333,892 64

|            |                |
|------------|----------------|
| Cash ..... | 4,344,959 28   |
|            | <hr/>          |
|            | \$8,678,851 92 |

MARCH 31, 1914 (inclusive), WITH TIMOTHY W. GOOD, CITY TREAS.

Cr.

|                              |                |
|------------------------------|----------------|
| Amount brought forward ..... | \$1,366,375 89 |
| Taxes, 1913—Polls .....      | 26,852 00      |
| Personal .....               | 398,158 70     |
| Real Estate .....            | 1,797,159 89   |
| TAX LIEN ACCOUNT .....       | 685 84         |
| TAX—National Bank .....      | 16,968 65      |
| Corporation .....            | 155,484 51     |
| Street Railway .....         | 70,949 45      |
| OLD TAXES .....              | 45 60          |
| TREASURY DEPARTMENT .....    | 3,838 45       |
| MEMORIAL FLAG STAFF .....    | 1,505 00       |
| WATER DEPARTMENT:—           |                |
| Hobbs Brook Conduit .....    | 387 52         |
| Construction general .....   | 9,814 66       |
| Rates .....                  | 403,453 95     |
| CASH .....                   | 4,333,892 54   |
| CITY OF CAMBRIDGE .....      | 93,279 27      |
|                              | <hr/>          |
|                              | \$8,678,851 92 |

TEMPORARY LOANS IN ANTICIPATION OF TAXES NEGOTIATED DURING  
THE YEAR ENDING MARCH 31, 1914.

| Date.         | Maturity.        | Amount.      |   |
|---------------|------------------|--------------|---|
| <b>1913</b>   | <b>1913</b>      |              |   |
| April 17..... | October 10 ..... | \$200,000 00 | Discounted at 4.44 per cent. per annum.                 |
| June 20.....  | October 10 ..... | 200,000 00   | Discounted at 4.97 per cent. per annum. \$1.00 Premium. |

These loans were paid before the close of the financial year.



## PARTICULARS CONCERNING BONDS NEGOTIATED DURING THE YEAR ENDING MARCH 31, 1914.

| Date of Bonds. | Amount.      | Loan                                | Years to run.   | Rate. | Purchaser.            | Price Paid. |
|----------------|--------------|-------------------------------------|---|-------|-----------------------|-------------|
| <b>1913</b>    |              |                                     |   |       |                       |             |
| July 31.....   | \$25,000 00  | Municipal.....                      | 10  | 4%    | Merrill, Oldham & Co. | Par         |
| July 31.....   | 4,000 00     | Street.....                         | 20  | 4     | "                     | "           |
| July 31.....   | 37,800 00    | Street.....                         | 10  | 4     | "                     | "           |
| July 31.....   | 20,000 00    | Street.....                         | 10  | 4     | "                     | "           |
| July 31.....   | 25,000 00    | Sewer.....                          | 30  | 4     | "                     | "           |
| July 31.....   | 40,000 00    | Water (Serial)..                    | \$2000 annually for 20 years.                         | 4     | "                     | "           |
| July 31.....   | 48,700 00    | Street (Serial)...                  | \$5000 annually for 9 years.                          |       |                       |             |
|                |              |                                     | \$3700 tenth year.                                    | 4½    | "                     | "           |
| July 31.....   | 8,000 00     | Street (Serial)...                  | \$800 annually for 10 years.                          | 4½    | "                     | "           |
| July 31.....   | 15,000 00    | Street (Serial)...                  | \$1500 annually for 10 years.                         | 4½    | "                     | "           |
| July 31.....   | 65,000 00    | School House                        | \$2250 annually for 20 years.                         | 4½    | "                     | "           |
| July 31.....   | 41,500 00    | Street (Serial)...                  | \$3500 for one year and \$2000 annually for 19 years. | 4½    | "                     | "           |
| Aug. 2.....    | 55,000 00    | Building (Serial)                   | \$5500 annually for 10 years.                         | 4½    | "                     | "           |
| Aug. 2.....    | 18,000 00    | Street.....                         | 20  | 4½    | "                     | "           |
| Nov. 5.....    | 10,000 00    | Water (Serial)...                   | \$500 annually for 20 years.                          | 4     | "                     | "           |
| Dec. 30.....   | 11,000 00    | Municipal (Serial).....             | \$1500 for two years and \$1000 annually for 8 years. | 4     | Adams & Company       | "           |
| March 31...    | 28,000 00    | School Teachers. Salary (Serial)... | \$8000 first year and \$5000 annually for 4 years.    | 4     | Estabrook & Co.       | 100.68      |
| March 31...    | 6,000 00     | Sewer Const. general.....           | \$500 annually for 12 years.                          | 4     | Blake Bros. & Co.     | 100¾        |
|                | \$458,000 00 |                                     |   |       | "                     | 100¾        |

## RECAPITULATION.

|                                 |              |
|---------------------------------|--------------|
| Municipal .....                 | \$36,000 00  |
| Street .....                    | 193,000 00   |
| Sewer—Cnstruction general ..... | 31,000 00    |
| Schoolhouse .....               | 65,000 00    |
| Building .....                  | 55,000 00    |
| School teachers' salary .....   | 28,000 00    |
| Water .....                     | 50,000 00    |
|                                 | <hr/>        |
|                                 | \$458,000 00 |

## FEES.

During the year ending March 31, 1914, the Treasurer has received official fees amounting to \$3,838.45 itemized as follows:

## Tax Sale:—

|  |          |
|--|----------|
| Preparation .....  | \$157 85 |
| Advertising .....  | 280 10   |
| Deeds .....  | 226 00   |
| Posting .....  | 120 50   |
| Recording .....  | 5 35     |
| Releases .....   | 27 00    |
| Certificates of liens (Chap. 378, Acts of 1907) ..                               | 179 00   |
| Affidavits .....   | 12 75    |
| Premiums .....   | 12 00    |
| Taxes—Summonses .....  | 1,317 90 |
| Services of department in collection of water rates, etc., Water Department..... | 1,500 00 |

|             |            |
|-------------|------------|
| Total ..... | \$3,838 45 |
|-------------|------------|

These fees were all turned into the City Treasury as received.

## REPORT OF TRUST FUNDS IN HANDS OF CITY TREASURER.

## BRIDGE CHARITABLE FUND.

|                                      |            |
|--------------------------------------|------------|
| Amount of fund March 31, 1913 .....  | \$2,546 38 |
| Interest to March 31, 1914.....      | \$101 60   |
| Two-thirds to Overseers of Poor..... | 67 73      |
| One-third to principal of fund.....  | 33 87      |
|                                      | <hr/>      |
| Total of fund.....                   | \$2,580 25 |

## CEMETERY FUND.

|  |             |
|--|-------------|
| Amount of bonds in fund, April 1, 1913.....      | \$99,950 00 |
| Amount of bonds purchased to March 31, 1914..... | 4,000 00    |
|  | <hr/>       |
| Amount of bonds in fund, April 1, 1914.....      | 103,950 00  |

## CASH ACCOUNT.

|  |            |
|--|------------|
| Cash on hand, March 31, 1913.....  | \$1,304 87 |
| Cash received from proprietors of lots in Cambridge Cemetery for perpetual care..... | 3,957 25   |
| Cash received for interest on investments.....                                       | 3,888 37   |
|  | <hr/>      |
|  | 9,150 49   |
| Cash paid to cemetery trustees for care of lots placed in perpetual care .....       | 3,858 81   |
| Cash paid for bonds purchased.....   | 3,951 25   |
|  | <hr/>      |
| Amount carried forward .....   | \$7,810 06 |

|                                     |            |            |
|-------------------------------------|------------|------------|
| Amount brought forward .....        | \$7,810 06 |            |
| Cash paid for accrued interest..... | 29 56      |            |
| Cash on hand March 31, 1914.....    | 1,310 87   |            |
|                                     |            | <hr/>      |
|                                     |            | \$9,150 49 |

The assets of the two funds as of March 31, 1914, are invested as follows:—

|   |              |              |
|---|--------------|--------------|
| Registered bonds of the City of Cambridge amount- |              |              |
| ing to .....                                      | \$103,950 00 |              |
| Deposited in Harvard Trust Company.....           | 1,310 87     |              |
|   |              | <hr/>        |
|   |              | \$105,260 87 |
| Fund for perpetual care of lots.....              | \$105,008 87 |              |
| Fund for deeds in trust.....                      | 252 00       |              |
|   |              | <hr/>        |
|   |              | \$105,260 87 |

The following are the investments belonging to the Cemetery Trust Funds:—

|                      |    |       |         |              |
|----------------------|----|-------|---------|--------------|
| Cambridge City Bonds | 4% | Aug.  | 1, 1914 | \$1,000 00   |
| "                    | 4  | Oct.  | 1, 1916 | 2,000 00     |
| "                    | 3½ | Aug.  | 1, 1918 | 1,000 00     |
| "                    | 4  | Aug.  | 1, 1918 | 7,000 00     |
| "                    | 3½ | Nov.  | 1, 1919 | 3,000 00     |
| "                    | 3½ | Nov.  | 1, 1920 | 1,000 00     |
| "                    | 3½ | Mar.  | 1, 1921 | 800 00       |
| "                    | 3½ | Oct.  | 1, 1922 | 11,000 00    |
| "                    | 3½ | Oct.  | 1, 1923 | 12,000 00    |
| "                    | 3½ | Apr.  | 1, 1924 | 4,000 00     |
| "                    | 3½ | Nov.  | 1, 1924 | 4,500 00     |
| "                    | 3½ | May   | 1, 1925 | 950 00       |
| "                    | 4  | Oct.  | 1, 1925 | 7,500 00     |
| "                    | 3½ | Nov.  | 1, 1925 | 1,500 00     |
| "                    | 4  | Nov.  | 1, 1926 | 8,000 00     |
| "                    | 4  | June  | 1, 1927 | 1,000 00     |
| "                    | 3½ | Feb.  | 1, 1930 | 5,000 00     |
| "                    | 4  | May   | 1, 1936 | 3,500 00     |
| "                    | 4  | May   | 1, 1936 | 1,500 00     |
| "                    | 4  | Dec.  | 1, 1938 | 5,000 00     |
| "                    | 4  | May   | 1, 1940 | 5,000 00     |
| "                    | 3½ | Mar.  | 1, 1941 | 1,500 00     |
| "                    | 3½ | May   | 1, 1944 | 4,000 00     |
| "                    | 3½ | Mar.  | 1, 1951 | 1,000 00     |
| "                    | 3½ | Mar.  | 1, 1951 | 1,000 00     |
| "                    | 3½ | July  | 1, 1922 | 1,000 00     |
| "                    | 4  | Feb.  | 1, 1924 | 1,000 00     |
| "                    | 4  | Jan.  | 1, 1928 | 2,000 00     |
| "                    | 4  | Sept. | 1, 1932 | 200 00       |
| "                    | 3½ | Apr.  | 1, 1943 | 5,000 00     |
| "                    | 3½ | May   | 1, 1944 | 1,000 00     |
|                      |    |       |         | <hr/>        |
| Total .....          |    |       |         | \$103,950 00 |

### TAILINGS ACCOUNT.

This fund consists of various amounts of money due on pay rolls and sundry drafts, which have remained in the hands of the Treasurer awaiting payment to persons properly entitled to the same. The amount of the fund March 31, 1913, was.....

|                              |            |
|------------------------------|------------|
| Amount carried forward ..... | \$3,181 57 |
|------------------------------|------------|



|   |            |            |
|---|------------|------------|
| Amount brought forward .....  | \$3,181 57 |            |
| Interest on deposit to March 31, 1913.....                                  | 81 50      |            |
| Added to fund .....   | 1,268 88   |            |
|   | <hr/>      | \$4,531 95 |
| There has been paid out of the fund during the year to sundry persons ..... |            | 71 19      |
|   |            | <hr/>      |
| March 31, 1914, balance on deposit at Harvard Trust Company.                |            | \$4,460 76 |

## HOPKINS FUND.

## Dr.

|  |            |            |
|--|------------|------------|
| Balance March 31, 1913.....                  | \$1,145 36 |            |
| Received from Treasurer of Hopkins Fund..... | 779 95     |            |
| Interest on deposit .....                    | 42 68      |            |
|  | <hr/>      | \$1,967 99 |

## Cr.

|  |          |            |
|--|----------|------------|
| Paid to School Department for Tuition.....     | \$144 00 |            |
| Paid to Clinton Ricker, Prize.....             | 100 00   |            |
| Paid to Harold Schlaffhorst, Prize.....        | 100 00   |            |
| Paid to Grace Wardwell, Prize.....             | 75 00    |            |
| Paid to Walter F. Durnan, Prize.....           | 75 00    |            |
| Paid to Helen Getchell, Prize.....             | 75 00    |            |
|  | <hr/>    | \$569 00   |
| Balance March 31, 1914, Harvard Trust Company. | 1,398 99 |            |
|  | <hr/>    | \$1,967 99 |

## SARAH E. RUSSELL FUND..

This is a fund bequeathed by the late Sarah E. Russell of Cambridge, in 1898, "the income therefrom to be annually expended in or towards providing a Christmas tree or Christmas gifts and entertainments for the inmates at the time of the Cambridge Almshouse.

The amount of the bequest was \$814.41, and was deposited in the Cambridgeport Savings Bank, where it now remains.

The interest accumulations, amounting to \$30.81 for the year, have been paid to Mr. C. E. Goodrow, Superintendent of the City Home, and were used as stipulated in the will of Mrs. Russell.

## REPORT OF THE WM. PENN HARDING FUND.

|  |            |
|--|------------|
| March 31, 1913, deposited in East Cambridge Savings Bank....   | \$1,000 00 |
| The interest on said fund amounting to \$40.40 was paid to the trustees of the Public Library in accordance with the provisions of the gift. |            |
| The pass book of the East Cambridge Savings Bank shows that on March 31, 1914, the amount on deposit was.....                                | \$1,000 00 |



# REPORT OF THE COMMISSIONERS OF THE SINKING FUNDS OF THE CITY

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*To the Honorable, the City Council:*

The Commissioners of the several Sinking Funds of the city herewith submit their annual report, covering the year ending March 31, 1914. Our report shows the condition of the Sinking Funds under two divisions; first, Municipal; second, Water.

The following is the condition of the Municipal Loan Funds:

## Dr.

|   |                |                |
|---|----------------|----------------|
| The amount of the Funds, March 31, 1913, was..  | \$2,598,410 09 |                |
| Received from the City of Cambridge the annual requirements as appropriated by the City Council for the several bonded loans..... | 267,445 70     |                |
| Interest received on invested funds.....  | 104,642 07     |                |
| Discount received on investments purchased....  | 9,265 30       |                |
|   | <hr/>          | \$2,979,763 16 |

## Cr.

|  |              |                |
|--|--------------|----------------|
| Paid on account of maturing Cambridge bonds...           | \$10,000 00  |                |
| Paid premiums on investments purchased.....              | 1,029 20     |                |
| Paid accrued interest on investments purchased..         | 3,835 10     |                |
| Paid interest to City Treasurer for money advanced ..... | 52 07        |                |
| Leaving total amount of the Funds, March 31, 1914        | 2,964,846 79 |                |
|  | <hr/>        | \$2,979,763 16 |

The following is the condition of the Water Loan Fund:

## Dr.

|   |                      |
|---|----------------------|
| The amount of the Fund, March 31, 1913, was...  | \$1,563,278 56       |
| The amount received from the City Treasurer of<br>Cambridge being the annual requirements<br>for 1913 derived from the water rates..... | 92,880 00            |
| Interest received on investments.....   | 60,592 03            |
| Discount received on investments.....   | 1,390 20             |
| Surplus received from water rates.....  | 53,721 82            |
|   | <hr/> \$1,771,862 61 |

## Cr.

|   |                      |
|---|----------------------|
| Paid accrued interest on investments purchased.               | \$2,614 37           |
| Paid interest to City Treasurer for money ad-<br>vanced ..... | 30 23                |
| Paid City Treasurer to meet maturing bonded debt              | 50,000 00            |
| Paid premiums on investments purchased.....                   | 168 20               |
| Leaving the amount of the Fund, March 31, 1914.               | 1,719,049 81         |
|   | <hr/> \$1,771,862 61 |

The following are the investments belonging to the Municipal Loan Funds:—

|           |            | Maturing |       |         |             |
|-----------|------------|----------|-------|---------|-------------|
| Cambridge | City bonds | 4s       | Aug.  | 1, 1914 | \$26,000 00 |
| "         | "          | 4s       | April | 1, 1915 | 200,000 00  |
| "         | "          | 4s       | Oct.  | 1, 1915 | 70,000 00   |
| "         | "          | 4s       | July  | 1, 1916 | 70,000 00   |
| "         | "          | 4s       | July  | 1, 1916 | 100,000 00  |
| "         | "          | 4s       | Aug.  | 1, 1916 | 90,000 00   |
| "         | "          | 4s       | Oct.  | 1, 1916 | 110,000 00  |
| "         | "          | 4s       | Oct.  | 1, 1916 | 5,000 00    |
| "         | "          | 3½s      | July  | 1, 1917 | 100,000 00  |
| "         | "          | 3½s      | Nov.  | 1, 1917 | 65,000 00   |
| "         | "          | 4s       | Jan.  | 1, 1918 | 10,000 00   |
| "         | "          | 3½s      | May   | 2, 1918 | 50,000 00   |
| "         | "          | 3½s      | Aug.  | 1, 1918 | 90,000 00   |
| "         | "          | 3½s      | Aug.  | 1, 1918 | 50,000 00   |
| "         | "          | 4s       | Mar.  | 1, 1919 | 5,000 00    |
| "         | "          | 4s       | Mar.  | 1, 1919 | 10,000 00   |
| "         | "          | 4s       | Mar.  | 1, 1919 | 1,000 00    |
| "         | "          | 3½s      | Nov.  | 1, 1919 | 18,000 00   |
| "         | "          | 4s       | July  | 1, 1921 | 15,000 00   |
| "         | "          | 4s       | July  | 1, 1921 | 4,000 00    |
| "         | "          | 3½s      | Nov.  | 1, 1921 | 27,000 00   |
| "         | "          | 3½s      | July  | 1, 1922 | 5,000 00    |
| "         | "          | 3½s      | July  | 1, 1922 | 3,000 00    |
| "         | "          | 3½s      | July  | 1, 1922 | 1,000 00    |
| "         | "          | 3½s      | Nov.  | 1, 1922 | 3,000 00    |
| "         | "          | 4s       | Feb.  | 1, 1924 | 15,000 00   |

Amount carried forward .....\$1,143,000 00

Amount brought forward .....\$1,143,000 00

|                           |            |     |               |             |
|---------------------------|------------|-----|---------------|-------------|
| Cambridge                 | City bonds | 4s  | April 1, 1924 | \$50,000 00 |
| "                         | "          | 3½s | April 1, 1924 | 25,000 00   |
| "                         | "          | 4s  | April 1, 1924 | 40,000 00   |
| "                         | "          | 4s  | April 1, 1924 | 5,000 00    |
| "                         | "          | 4s  | April 1, 1924 | 100,000 00  |
| "                         | "          | 4s  | April 1, 1924 | 5,000 00    |
| "                         | "          | 3½s | April 1, 1924 | 2,000 00    |
| "                         | "          | 4s  | April 1, 1924 | 4,000 00    |
| "                         | "          | 4s  | April 1, 1924 | 1,000 00    |
| "                         | "          | 3½s | Nov. 1, 1924  | 6,000 00    |
| "                         | "          | 3½s | Nov. 1, 1924  | 1,000 00    |
| "                         | "          | 3½s | May 1, 1925   | 24,500 00   |
| "                         | "          | 3½s | May 1, 1925   | 15,000 00   |
| "                         | "          | 3½s | Aug. 1, 1925  | 20,000 00   |
| "                         | "          | 4s  | Oct. 1, 1926  | 40,000 00   |
| "                         | "          | 4s  | Nov. 1, 1926  | 6,000 00    |
| "                         | "          | 4s  | Sept. 1, 1927 | 5,000 00    |
| "                         | "          | 4s  | Nov. 1, 1927  | 10,000 00   |
| "                         | "          | 3½s | Nov. 1, 1929  | 42,000 00   |
| "                         | "          | 3½s | Aug. 1, 1931  | 10,000 00   |
| "                         | "          | 4s  | Nov. 1, 1937  | 10,000 00   |
| "                         | "          | 3½s | Oct. 1, 1941  | 25,000 00   |
| "                         | "          | 3½s | Jan. 1, 1943  | 6,000 00    |
| Lynn                      | "          | 4s  | May 1, 1914   | 5,000 00    |
| Abington                  | Town       | 4s  | May 1, 1914   | 5,000 00    |
| Allegheny, Pa.            | "          | 3½s | Oct. 1, 1914  | 22,000 00   |
| Dalton                    | "          | 4s  | Jan. 1, 1915  | 15,000 00   |
| Watertown                 | "          | 3½s | Jan. 1, 1915  | 6,000 00    |
| Brookline                 | "          | 3½s | Jan. 1, 1915  | 2,500 00    |
| Fitchburg R. R. Co.       | "          | 4s  | Mar. 1, 1915  | 8,000 00    |
| Lynn                      | City bonds | 4s  | May 1, 1915   | 5,000 00    |
| Salem                     | "          | 4s  | June 1, 1915  | 8,000 00    |
| Medford                   | "          | 4s  | July 1, 1915, | 23,000 00   |
| Boston                    | "          | 4s  | July 1, 1915  | 5,000 00    |
| Fall River                | "          | 4s  | Aug. 1, 1915  | 5,000 00    |
| West End St. Ry.          | "          | 4s  | Aug. 1, 1915  | 57,000 00   |
| Alleghany, Pa.            | City       | 3½s | Oct. 1, 1915  | 22,000 00   |
| Boston                    | "          | 4s  | Jan. 1, 1916  | 20,000 00   |
| Watertown                 | Town       | 3½s | Jan. 1, 1916  | 7,000 00    |
| Melrose                   | City       | 4s  | Feb. 24, 1916 | 10,000 00   |
| Fall River                | "          | 4s  | Mar. 1, 1916  | 42,000 00   |
| Lynn                      | "          | 4s  | May 1, 1916   | 5,000 00    |
| West End St. Ry.          | "          | 4s  | May 1, 1916   | 8,000 00    |
| Pittsfield                | "          | 4s  | June 1, 1916  | 10,000 00   |
| Brockton                  | City       | 3½s | July 1, 1916  | 5,000 00    |
| Boston & Lowell R. R. Co. |            | 4s  | July 1, 1916  | 10,000 00   |
| Fitchburg R. R. Co.       | bonds      | 4s  | July 1, 1916  | 10,000 00   |
| Worcester                 | City       | 4s  | July 1, 1916  | 35,000 00   |
| Allegheny, Pa.            | "          | 3½s | Oct. 1, 1916  | 22,000 00   |
| Boston                    | "          | 3½s | Jan. 1, 1917  | 50,000 00   |
| Watertown                 | Town       | 3½s | Jan. 1, 1917  | 9,000 00    |
| West End St. Ry.          | "          | 4s  | Feb. 1, 1917  | 43,000 00   |
| West End St. Ry.          | "          | 4s  | Feb. 1, 1917  | 11,000 00   |
| New Bedford               | City       | 4s  | Mar. 1, 1917  | 10,000 00   |
| Boston                    | "          | 3½s | July 1, 1917  | 1,000 00    |

Amount carried forward .....\$2,092,000 00



*Amount brought forward* .....\$2,092,000 00

|                      |            |     |       |          |            |
|----------------------|------------|-----|-------|----------|------------|
| Springfield          | City bonds | 3½s | July  | 1, 1917  | \$4,000 00 |
| Beverly              | " "        | 3½s | July  | 1, 1917  | 4,000 00   |
| Bennington           | Town       | 4s  | July  | 1, 1917  | 1,000 00   |
| Watertown            | " "        | 3½s | Jan.  | 1, 1918  | 9,000 00   |
| Marlborough          | City       | 4s  | July  | 1, 1918  | 10,000 00  |
| Boston               | " "        | 4s  | July  | 1, 1918  | 87,000 00  |
| Milwaukee            | " "        | 4½s | July  | 1, 1918  | 14,000 00  |
| Hyde Park            | Town       | 4s  | July  | 1, 1918  | 4,000 00   |
| Medford              | City       | 4s  | Aug.  | 1, 1918  | 50,000 00  |
| Milton               | Town       | 3½s | Aug.  | 1, 1918  | 4,000 00   |
| Chicago              | City       | 3½s | Oct.  | 1, 1918  | 25,000 00  |
| Minneapolis          | " "        | 4s  | Dec.  | 15, 1918 | 5,000 00   |
| Watertown            | Town       | 3½s | Jan.  | 1, 1919  | 9,000 00   |
| Lynn                 | City       | 4s  | Jan.  | 1, 1919  | 17,000 00  |
| Boston               | City       | 3½s | July  | 1, 1919  | 5,000 00   |
| Boston               | " "        | 3½s | July  | 1, 1919  | 3,000 00   |
| Milwaukee            | " "        | 4½s | July  | 1, 1919  | 14,000 00  |
| Peabody              | Town       | 4s  | July  | 16, 1919 | 3,000 00   |
| Milton               | " "        | 3½s | Aug.  | 1, 1919  | 1,000 00   |
| Boston               | City       | 3½s | Oct.  | 1, 1919  | 1,000 00   |
| Middlesex            | County     | 4s  | Dec.  | 1, 1919  | 9,000 00   |
| Watertown            | Town       | 3½s | Jan.  | 1, 1920  | 9,000 00   |
| Newton               | City       | 4s  | April | 1, 1920  | 14,000 00  |
| Stoughton            | Town       | 4s  | June  | 1, 1920  | 2,000 00   |
| Waltham              | City       | 3½s | July  | 1, 1920  | 4,000 00   |
| Watertown            | Town       | 3½s | Jan.  | 1, 1921  | 9,000 00   |
| Hudson               | " "        | 4s  | May   | 1, 1921  | 3,000 00   |
| Peabody              | " "        | 4s  | July  | 16, 1921 | 3,000 00   |
| Troy, N. Y.,         | City       | 4s  | Sept. | 1, 1921  | 15,000 00  |
| Watertown            | Town       | 3½s | Jan.  | 1, 1922  | 9,000 00   |
| Reading              | " "        | 4s  | June  | 1, 1922  | 5,000 00   |
| Boston               | City       | 3½s | June  | 1, 1922  | 53,000 00  |
| Troy, N. Y.          | " "        | 4s  | Sept. | 1, 1922  | 15,000 00  |
| Revere               | Town       | 3½s | April | 1, 1923  | 12,000 00  |
| Fitchburg            | City       | 4s  | May   | 1, 1923  | 6,000 00   |
| Watertown            | Town       | 4s  | May   | 1, 1923  | 3,000 00   |
| Boston               | City       | 3½s | June  | 1, 1923  | 66,000 00  |
| Reading              | Town       | 4s  | June  | 1, 1923  | 5,000 00   |
| Medford              | City       | 4s  | July  | 1, 1923  | 2,000 00   |
| Lawrence             | " "        | 4s  | July  | 1, 1923  | 2,000 00   |
| Medford              | " "        | 4s  | Aug.  | 1, 1923  | 6,000 00   |
| Wakefield            | Town       | 3½s | Nov.  | 1, 1923  | 4,000 00   |
| Brookline            | " "        | 3½s | Jan.  | 1, 1924  | 2,000 00   |
| Revere               | " "        | 3½s | April | 1, 1924  | 12,000 00  |
| Watertown            | " "        | 4s  | May   | 1, 1924  | 3,000 00   |
| Malden               | City       | 4s  | May   | 2, 1924  | 9,000 00   |
| Fall River           | " "        | 3½s | July  | 1, 1924  | 10,000 00  |
| Marlboro             | " "        | 4s  | Sept, | 1924     | 10,000 00  |
| Wakefield            | Town       | 3½s | Nov.  | 1, 1924  | 4,000 00   |
| Winchester           | " "        | 4s  | May   | 1, 1925  | 6,000 00   |
| Old Colony R. R. Co. | " "        | 4s  | Dec.  | 1, 1925  | 50,000 00  |
| Revere               | Town       | 3½s | April | 1, 1926  | 2,000 00   |
| Quincy               | City       | 4s  | May   | 1, 1926  | 1,000 00   |
| Winchester           | Town       | 4s  | June  | 1, 1926  | 5,000 00   |
| Fitchburg R. R. Co.  | " "        | 4s  | Mar.  | 1, 1927  | 40,000 00  |

*Amount carried forward* .....\$2,772,000 00



|                                     |            |    |      |         |         |                      |
|-------------------------------------|------------|----|------|---------|---------|----------------------|
| <i>Amount brought forward</i> ..... |            |    |      |         |         | \$2,772,000 00       |
| Taunton                             | City bonds | 4s | June | 1, 1927 | 5,000   | 00                   |
| Arlington                           | Town       | "  | 4s   | Oct.    | 1, 1927 | 5,000 00             |
| Toledo                              | City       | "  | 4½s  | Sept,   | 1, 1928 | 33,000 00            |
| Taunton                             | "          | "  | 4s   | Dec.    | 1, 1928 | 3,000 00             |
| Minneapolis                         | "          | "  | 3½s  | Jan.    | 1, 1929 | 20,000 00            |
|                                     |            |    |      |         |         | <hr/> \$2,838,000 00 |

The following are the investments belonging to the Water Loan Funds:—

|           |            |     |       | Maturing |            |
|-----------|------------|-----|-------|----------|------------|
| Cambridge | City bonds | 4s  | Aug.  | 1, 1914  | \$6,000 00 |
| "         | "          | 4s  | Aug.  | 1, 1914  | 3,000 00   |
| "         | "          | 4s  | Mar.  | 1, 1915  | 500 00     |
| "         | "          | 3½s | May   | 1, 1915  | 12,500 00  |
| "         | "          | 4s  | Mar.  | 1, 1916  | 500 00     |
| "         | "          | 4s  | April | 1, 1916  | 10,000 00  |
| "         | "          | 3½s | May   | 1, 1916  | 11,500 00  |
| "         | "          | 4s  | Oct.  | 1, 1916  | 2,000 00   |
| "         | "          | 4s  | Oct.  | 1, 1916  | 65,100 00  |
| "         | "          | 4s  | Oct.  | 1, 1916  | 25,000 00  |
| "         | "          | 4s  | Mar.  | 1, 1917  | 500 00     |
| "         | "          | 3½s | April | 1, 1917  | 20,000 00  |
| "         | "          | 3½s | May   | 1, 1917  | 12,500 00  |
| "         | "          | 3½s | Dec.  | 1, 1917  | 40,000 00  |
| "         | "          | 4s  | Mar.  | 1, 1918  | 500 00     |
| "         | "          | 3½s | May   | 2, 1918  | 100,000 00 |
| "         | "          | 4s  | July  | 1, 1918  | 1,000 00   |
| "         | "          | 4s  | Sept. | 1, 1918  | 1,000 00   |
| "         | "          | 4s  | Mar.  | 1, 1919  | 500 00     |
| "         | "          | 4s  | Mar.  | 1, 1919  | 8,000 00   |
| "         | "          | 3½s | May   | 1, 1919  | 12,500 00  |
| "         | "          | 3½s | Nov.  | 1, 1919  | 20,000 00  |
| "         | "          | 4s  | Mar.  | 1, 1920  | 500 00     |
| "         | "          | 3½s | May   | 1, 1920  | 12,500 00  |
| "         | "          | 4s  | Nov.  | 1, 1920  | 5,000 00   |
| "         | "          | 4s  | Mar.  | 1, 1921  | 500 00     |
| "         | "          | 3½s | May   | 1, 1921  | 12,500 00  |
| "         | "          | 3½s | July  | 1, 1921  | 5,000 00   |
| "         | "          | 4s  | July  | 1, 1921  | 1,000 00   |
| "         | "          | 3½s | July  | 1, 1921  | 30,000 00  |
| "         | "          | 4s  | Mar.  | 1, 1922  | 500 00     |
| "         | "          | 3½s | May   | 1, 1922  | 12,500 00  |
| "         | "          | 3½s | July  | 1, 1922  | 1,000 00   |
| "         | "          | 3½s | July  | 1, 1922  | 10,000 00  |
| "         | "          | 3½s | July  | 1, 1922  | 15,000 00  |
| "         | "          | 3½s | July  | 1, 1922  | 17,000 00  |
| "         | "          | 3½s | July  | 1, 1922  | 32,000 00  |
| "         | "          | 4s  | Mar.  | 1, 1923  | 500 00     |
| "         | "          | 3½s | May   | 1, 1923  | 12,500 00  |
| "         | "          | 3½s | Oct.  | 1, 1923  | 25,000 00  |
| "         | "          | 4s  | Feb.  | 1, 1924  | 25,000 00  |
| "         | "          | 4s  | Feb.  | 1, 1924  | 1,000 00   |
| "         | "          | 4s  | Feb.  | 1, 1924  | 5,000 00   |

*Amount carried forward* ..... \$576,600 00

Amount brought forward ..... \$576,600 00

|                      |            |     |          |         |            |
|----------------------|------------|-----|----------|---------|------------|
| Cambridge            | City bonds | 4s  | Feb.     | 1, 1924 | \$5,000 00 |
| "                    | "          | 4s  | Mar.     | 1, 1924 | 500 00     |
| "                    | "          | 4s  | April    | 1, 1924 | 1,000 00   |
| "                    | "          | 3½s | April    | 1, 1924 | 23,000 00  |
| "                    | "          | 3½s | May      | 1, 1924 | 12,500 00  |
| "                    | "          | 4s  | Mar.     | 1, 1925 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1926 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1927 | 500 00     |
| "                    | "          | 4s  | June     | 1, 1927 | 1,000 00   |
| "                    | "          | 4s  | Mar.     | 1, 1928 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1929 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1930 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1931 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1932 | 500 00     |
| "                    | "          | 4s  | Mar.     | 1, 1933 | 500 00     |
| "                    | "          | 3½s | Apr.     | 1, 1933 | 1,000 00   |
| "                    | "          | 3½s | Sept.    | 1, 1937 | 3,000 00   |
| Holyoke              | "          | 3½s | May      | 1, 1914 | 7,500 00   |
| Springfield          | "          | 3½s | July     | 1, 1914 | 6,700 00   |
| Somerville           | "          | 4s  | July     | 1, 1914 | 8,000 00   |
| Rochester            | "          | 3½s | July     | 1, 1914 | 100,000 00 |
| Salem                | "          | 3½s | Sept.    | 1, 1914 | 5,000 00   |
| Newburyport          | "          | 3½s | Sept.    | 1, 1914 | 7,000 00   |
| Troy, N. Y.          | "          | 3½s | Nov. 15, | 1914    | 2,000 00   |
| Lynn                 | "          | 4s  | Jan.     | 1, 1915 | 16,000 00  |
| Fitchburg R. R. Co.  | "          | 4s  | Mar.     | 1, 1915 | 40,000 00  |
| Revere               | Town       | 3½s | April    | 1, 1915 | 1,000 00   |
| Weymouth             | "          | 3½s | May      | 1, 1915 | 2,500 00   |
| Holyoke              | City       | 3½s | May      | 1, 1915 | 7,500 00   |
| Beverly              | "          | 4s  | May      | 1, 1915 | 2,000 00   |
| Newburyport          | "          | 3½s | June     | 1, 1915 | 12,000 00  |
| Springfield          | "          | 3½s | July     | 1, 1915 | 5,700 00   |
| Somerville           | "          | 4s  | July     | 1, 1915 | 8,000 00   |
| Beverly              | "          | 3½s | July     | 1, 1915 | 5,000 00   |
| Brockton             | "          | 3½s | Aug.     | 1, 1915 | 1,000 00   |
| West End St. Ry.     | "          | 4s  | Aug.     | 1, 1915 | 9,000 00   |
| West End St. Ry. Co. | "          | 4s  | Aug.     | 1, 1915 | 16,000 00  |
| Newburyport          | City       | 3½s | Sept.    | 1, 1915 | 7,000 00   |
| Salem                | "          | 3½s | Sept.    | 1, 1915 | 5,000 00   |
| Gloucester           | "          | 3½s | Oct.     | 1, 1915 | 10,000 00  |
| Troy, N. Y.          | "          | 3½s | Nov. 15, | 1915    | 2,000 00   |
| Revere               | Town       | 3½s | April    | 1, 1916 | 6,000 00   |
| Weymouth             | "          | 3½s | May      | 1, 1916 | 2,500 00   |
| Holyoke              | City       | 3½s | May      | 1, 1916 | 7,500 00   |
| West End St. Ry.     | "          | 4s  | May      | 1, 1916 | 4,000 00   |
| Springfield          | "          | 3½s | July     | 1, 1916 | 3,500 00   |
| Somerville           | "          | 4s  | July     | 1, 1916 | 8,000 00   |
| Beverly              | "          | 3½s | July     | 1, 1916 | 5,000 00   |
| Salem                | "          | 3½s | Sept.    | 1, 1916 | 5,000 00   |
| Gloucester           | "          | 3½s | Oct.     | 1, 1916 | 10,000 00  |
| Boston               | "          | 3½s | Jan.     | 1, 1917 | 20,000 00  |
| Milwaukee            | "          | 4½s | Jan.     | 1, 1917 | 14,000 00  |
| West End St. Ry.     | "          | 4s  | Feb.     | 1, 1917 | 3,000 00   |
| Wellesley            | Town       | 4s  | Mar.     | 1, 1917 | 2,000 00   |
| Waltham              | City       | 4s  | April    | 1, 1917 | 24,000 00  |
| Revere               | Town       | 3½s | April    | 1, 1917 | 12,000 00  |

Amount carried forward ..... \$1,040,500 00

Amount brought forward .....\$1,040,500 00

|                      |               |     |       |         |            |
|----------------------|---------------|-----|-------|---------|------------|
| Weymouth             | Town bonds    | 3½s | May   | 1, 1917 | \$2,500 00 |
| Holyoke              | City          | 3½s | May   | 1, 1917 | 7,500 00   |
| New London           | "             | 4s  | July  | 1, 1917 | 5,000 00   |
| Salem                | "             | 3½s | Sept. | 1, 1917 | 5,000 00   |
| Gloucester           | "             | 3½s | Oct.  | 1, 1917 | 10,000 00  |
| New Bedford          | "             | 4½s | Oct.  | 1, 1917 | 75,000 00  |
| Hallowell, Me.       | "             | 4s  | Jan.  | 1, 1918 | 15,000 00  |
| Milwaukee            | "             | 4½s | Jan.  | 1, 1918 | 14,000 00  |
| Wellesley            | Town          | 4s  | Mar.  | 1, 1918 | 1,000 00   |
| Weymouth             | "             | 3½s | May   | 1, 1918 | 2,500 00   |
| Holyoke              | City          | 3½s | May   | 1, 1918 | 7,500 00   |
| Mansfield            | Town          | 4s  | May   | 1, 1918 | 10,000 00  |
| Salem                | City          | 3½s | Sept. | 1, 1918 | 5,000 00   |
| Gloucester           | "             | 3½s | Oct.  | 1, 1918 | 10,000 00  |
| Weymouth             | Town          | 3½s | May   | 1, 1919 | 2,500 00   |
| Newburyport          | City          | 3½s | June  | 1, 1919 | 11,000 00  |
| Malden               | "             | 4s  | July  | 1, 1919 | 5,000 00   |
| Salem                | "             | 3½s | Sept. | 1, 1919 | 5,000 00   |
| Troy                 | "             | 4s  | Sept. | 1, 1919 | 15,000 00  |
| Boston               | "             | 3½s | Oct.  | 1, 1919 | 6,000 00   |
| Revere               | Town          | 3½s | April | 1, 1920 | 2,000 00   |
| Beverly              | "             | 4s  | April | 1, 1920 | 4,000 00   |
| Weymouth             | "             | 3½s | May   | 1, 1920 | 2,500 00   |
| Holyoke              | City          | 3½s | May   | 1, 1920 | 5,000 00   |
| Penobscot Shore      | Line R.R. Co. | 4s  | Aug.  | 1, 1920 | 25,000 00  |
| Fitchburg R. R. Co.  | bonds         | 3½s | Oct.  | 1, 1920 | 50,000 00  |
| Natick               | Town          | 3½s | Oct.  | 1, 1921 | 5,000 00   |
| Lynn                 | City          | 4s  | Jan.  | 1, 1922 | 10,000 00  |
| Revere               | Town          | 3½s | April | 1, 1922 | 7,000 00   |
| Natick               | "             | 3½s | Oct.  | 1, 1922 | 8,000 00   |
| Lynn                 | City          | 4s  | April | 1, 1923 | 25,000 00  |
| Quincy               | "             | 4s  | May   | 1, 1923 | 2,000 00   |
| Natick               | Town          | 3½s | Oct.  | 1, 1923 | 7,000 00   |
| Newton               | City          | 4s  | Jan.  | 1, 1924 | 2,000 00   |
| Old Colony R. R.     | "             | 4s  | Feb.  | 1, 1924 | 3,000 00   |
| Quincy               | City          | 4s  | May   | 1, 1924 | 1,000 00   |
| Rochester            | "             | 3½s | July  | 1, 1924 | 35,000 00  |
| Natick               | Town          | 3½s | Oct.  | 1, 1924 | 5,000 00   |
| Quincy               | City          | 4s  | May   | 1, 1925 | 2,000 00   |
| Quincy               | "             | 4s  | May   | 1, 1926 | \$3,000 00 |
| Quincy               | "             | 4s  | May   | 1, 1927 | 3,000 00   |
| Attleborough         | Town          | 4s  | July  | 1, 1927 | 10,000 00  |
| Quincy               | City          | 4s  | May   | 1, 1928 | 3,000 00   |
| Winchester           | Town          | 4s  | June  | 1, 1928 | 6,000 00   |
| Quincy               | City          | 4s  | May   | 1, 1929 | 3,000 00   |
| Fall River           | "             | 3½s | Nov.  | 1, 1929 | 75,000 00  |
| Quincy               | "             | 4s  | May   | 1, 1930 | 3,000 00   |
| Quincy               | "             | 4s  | May   | 1, 1931 | 3,000 00   |
| Quincy               | "             | 4s  | May   | 1, 1932 | 1,000 00   |
| Newton               | "             | 4s  | Aug.  | 1, 1935 | 2,000 00   |
| Newton               | "             | 4s  | July  | 1, 1936 | 11,000 00  |
| Grafton              | Town          | 3½s | July  | 1, 1937 | 1,000 00   |
| Old Colony R. R. Co. | "             | 4s  | Jan.  | 1, 1938 | 25,000 00  |
| Grafton              | Town          | 3½s | July  | 1, 1938 | 2,000 00   |
| Grafton              | "             | 3½s | July  | 1, 1939 | 2,000 00   |

—————\$1,608,500 00



MUNICIPAL FUNDS ACCOUNT

BOND ACCOUNT

|   |                |                |
|---|----------------|----------------|
| Amount of fund March 31, 1913.....          | \$2,593,500 00 |                |
| Amount purchased to March 31, 1914.....     | 339,500 00     |                |
|   | <hr/>          |                |
|   | \$2,933,000 00 |                |
| Amount matured to March 31, 1914.....       | 95,000 00      |                |
|   | <hr/>          |                |
| Amount of bonds in fund March 31, 1914..... |                | \$2,838,000 00 |

CASH ACCOUNT

Dr.

|                                      |            |              |
|--------------------------------------|------------|--------------|
| Cash on hand March 31, 1913.....     | \$4,910 09 |              |
| Cash received from City of Cambridge |            |              |
| annual appropriation .....           | 267,445 70 |              |
| Cash from interest on investments... | 104,642 07 |              |
| Cash from matured bonds.....         | 95,000 00  |              |
| Cash from discount on bonds pur-     |            |              |
| chased below par.....                | 9,265 30   |              |
|                                      | <hr/>      |              |
|                                      |            | \$481,263 16 |

Cr.

|   |              |                |
|---|--------------|----------------|
| Cash paid for bonds purchased.....        | \$339,500 00 |                |
| Cash paid for premiums on bonds pur-      |              |                |
| chased .....                              | 1,029 20     |                |
| Cash paid for accrued interest on         |              |                |
| bonds purchased .....                     | 3,835 10     |                |
| Interest paid to City Treasurer.....      | 52 07        |                |
| Cash paid City of Cambridge for           |              |                |
| municipal debt maturing this year         | 10,000 00    |                |
|   | <hr/>        |                |
|   |              | \$354,416 37   |
| Balance cash on hand March 31, 1914.....  |              | \$126,846 79   |
|   |              | <hr/>          |
| Total amount of fund, March 31, 1914..... |              | \$2,964,846 79 |



## WATER LOAN FUNDS

## BOND ACCOUNT

|   |                |                |
|---|----------------|----------------|
| Amount of bonds in fund March 31, 1913..... | \$1,516,700 00 |                |
| Amount of bonds purchased during year.....  | 210,000 00     |                |
|   |                | <hr/>          |
|   | \$1,726,700 00 |                |
| Amount of bonds matured during year.....    | 118,200 00     |                |
|   |                | <hr/>          |
|   |                | \$1,608,500 00 |

## CASH ACCOUNT

## Dr.

|  |             |              |
|--|-------------|--------------|
| Cash on hand March 31, 1913.....                                       | \$46,578 56 |              |
| Cash received from City of Cambridge<br>for annual appropriations..... | 92,880 00   |              |
| Cash received from water works.....                                    | 53,721 82   |              |
| Cash received from interest on in-<br>vestments .....                  | 60,592 03   |              |
| Cash received from matured bonds....                                   | 118,200 00  |              |
| Cash received from discount on bonds<br>bought below par .....         | 1,390 20    |              |
|  | <hr/>       | \$373,362 61 |

## Cr.

|  |              |                |
|--|--------------|----------------|
| Cash paid for bonds purchased.....                               | \$210,000 00 |                |
| Cash paid accrued interest on bonds<br>purchased .....           | 2,614 37     |                |
| Interest paid to City Treasurer.....                             | 30 23        |                |
| Cash paid City of Cambridge to meet<br>water debt maturing ..... | 50,000 00    |                |
| Cash paid for premiums.....                                      | 168 20       |                |
|  | <hr/>        | \$262,812 80   |
| Cash on hand March 31, 1914.....                                 |              | \$110,549 81   |
|  |              | <hr/>          |
| Total amount of fund March 31, 1914.....                         |              | \$1,719,049 81 |

TIMOTHY W. GOOD,  
*Treasurer of Funds.*

The Committee appointed to audit the accounts of the Treasurer of the Funds reports that his accounts are correct and properly vouched, and his books are well kept. The interest, bond, and cash transactions of the Treasurer during the year have been carefully computed independently of his books and the correctness of his accounts thereby proved.

GEORGE G. WRIGHT,  
HERBERT M. BRIDEY,  
THOS. F. ROYLE,  
*Auditing Committee.*

Municipal Bonds to the amount of \$129,800.00 have been issued during the year. Municipal Bonds amounting to \$10,000.00 matured during the year and were paid from the Sinking Fund. The total amount of the Funded Municipal Debt, exclusive of the Water Works Debt, now outstanding, is \$8,764,300.00. Deducting the present amount at par value of the Municipal Sinking Fund (\$2,964,846.79) leaves the net amount of the Municipal Funded Debt, March 31, 1914, \$5,699,453.21. This shows a net decrease of \$396,636.10 during the year. There will be due this Fund from taxation during the next municipal year the sum of \$275,450.83. During the coming year Municipal Bonds to the amount of \$165,000.00 will mature and be paid from this Fund.

Bonds on account of the Cambridge Water Works to the amount of \$50,000.00 matured and were paid from this Fund, and six serial bonds amounting to \$16,500.00 also matured and were paid by the City Treasurer from water revenue. Serial bonds amounting to \$50,000 were issued during the year, payable by the City Treasurer from water revenue. The total amount of the water debt now outstanding is \$2,896,100.00. This amount includes \$231,000.00 serial bonds payable by the City Treasurer from water revenue. Deducting the par value of the Water Loan Sinking Fund \$1,719,049.81, leaves the net Funded Water Debt, March 31, 1914, \$1,177,050.19, a decrease of \$172,271.25 from last year. There will be due to this fund during the coming financial year from water rates, etc., \$87,255.00.

GEORGE G. WRIGHT,  
HERBERT M. BRIDEY,  
THOS. F. ROYLE,  
JOHN J. QUINLAN,  
JAMES O'BRIEN,

*Commissioners of the Sinking Funds of the City of Cambridge.*

The bonded City Debt matures as follows, viz.:—

|       |          |                       |        |             |
|-------|----------|-----------------------|--------|-------------|
| July  | 1, 1914, | Clay Land . . . .     | 3 1-2s | \$17,000 00 |
| July  | 1, 1914, | Street (Serial) . .   | 4 1-2s | 10,800 00   |
| July  | 1, 1914, | School House (Serial) | 4 1-2s | 3,250 00    |
| July  | 1, 1914, | Building (Serial) .   | 4 1-2s | 5,500 00    |
| Aug.  | 1, 1914, | Building . . . .      | 4s     | 118,000 00  |
| Aug.  | 1, 1914, | Street . . . .        | 4s     | 30,000 00   |
| Sept. | 1, 1914, | Park (Serial) . . .   | 3 1-2s | 2,000 00    |
| Dec.  | 1, 1914, | Municipal . . . .     | 4s     | 1,500 00    |
| Mar   | 1, 1915, | School (Serial) . .   | 4s     | 8,000 00    |
| Mar.  | 1, 1915, | Sewer (Serial) . . .  | 4s     | 500 00      |
| July  | 1, 1915, | School House (Serial) | 4 1-2s | 3,250 00    |
| July  | 1, 1915, | Building (Serial) .   | 4 1-2s | 5,500 00    |
| July  | 1, 1915, | Street (Serial) . .   | 4 1-2s | 9,300 00    |
| Sept. | 1, 1915, | Park (Serial) . . .   | 3 1-2s | 2,000 00    |
| Oct.  | 1, 1915, | Building . . . .      | 4s     | 60,000 00   |
| Oct.  | 1, 1915, | Street . . . .        | 4s     | 60,000 00   |
| Dec.  | 1, 1915, | Municipal . . . .     | 4s     | 1,500 00    |
| Mar.  | 1, 1916, | School (Serial) . .   | 4s     | 5,000 00    |
| Mar.  | 1, 1916, | Sewer (Serial) . . .  | 4s     | 500 00      |
| July  | 1, 1916, | Building . . . .      | 4s     | 70,000 00   |
| July  | 1, 1916, | School House (Serial) | 4 1-2s | 3,250 00    |
| July  | 1, 1916, | Building (Serial) .   | 4 1-2s | 5,500 00    |
| July  | 1, 1916, | Street (Serial) . .   | 4 1-2s | 9,300 00    |
| Sept. | 1, 1916, | Park (Serial) . . .   | 3 1-2s | 2,000 00    |
| Oct.  | 1, 1916, | Street . . . .        | 4s     | 137,000 00  |
| Oct.  | 1, 1916, | Building . . . .      | 4s     | 33,000 00   |
| Oct.  | 1, 1916, | Sewer . . . .         | 4s     | 75,000 00   |
| Oct.  | 1, 1916, | School House . . .    | 4s     | 6,000 00    |
| Dec.  | 1, 1916, | Municipal (Serial) .  | 4s     | 1,000 00    |
| Mar.  | 1, 1917, | School (Serial) . .   | 4s     | 5,000 00    |
| Mar.  | 1, 1917, | Sewer (Serial) . . .  | 4s     | 500 00      |
| July  | 1, 1917, | School House . . .    | 3 1-2s | 100,000 00  |
| July  | 1, 1917, | Street (Serial) . .   | 4 1-2s | 9,300 00    |
| July  | 1, 1917, | School House (Serial) | 4 1-2s | 3,250 00    |
| July  | 1, 1917, | Building (Serial) .   | 4 1-2s | 5,500 00    |
| Sept. | 1, 1917, | Park (Serial) . . .   | 3 1-2s | 2,000 00    |
| Oct.  | 1, 1917, | Harvard Bridge . .    | 4s     | 10,000 00   |
| Dec.  | 1, 1917, | Municipal (Serial) .  | 4s     | 1,000 00    |
| Jan.  | 1, 1918, | City . . . .          | 4s     | 10,000 00   |
| Mar.  | 1, 1918, | School (Serial) . .   | 4s     | 5,000 00    |
| Mar.  | 1, 1918, | Sewer (Serial) . . .  | 4s     | 500 00      |
| June  | 1, 1918, | School House . . .    | 3 1-2s | 50,000 00   |
| June  | 1, 1918, | City . . . .          | 4s     | 30,000 00   |
| July  | 1, 1918, | Harvard Bridge . .    | 4s     | 100,000 00  |
| July  | 1, 1918, | School House (Serial) | 4 1-2s | 3,250 00    |
| July  | 1, 1918, | Building (Serial) .   | 4 1-2s | 5,500 00    |
| July  | 1, 1918, | Street (Serial) . .   | 4 1-2s | 9,300 00    |
| May   | 1, 1918, | City . . . .          | 4s     | 400,000 00  |
| May   | 2, 1918, | School House . . .    | 3 1-2s | 100,000 00  |
| May   | 2, 1918, | Street . . . .        | 3 1-2s | 15,000 00   |
| Aug.  | 1, 1918, | School House . . .    | 3 1-2s | 142,000 00  |
| Aug.  | 1, 1918, | City . . . .          | 4s     | 7,000 00    |
| Sept. | 1, 1918, | Harvard Bridge . .    | 4s     | 100,000 00  |

Amount carried forward . . . . . \$1,799,750 00



*Amount brought forward* .....\$1,799,750 00

|                                     |          |                       |              |                |
|-------------------------------------|----------|-----------------------|--------------|----------------|
| Sept.                               | 1, 1918, | Park (Serial)         | . . . 3 1-2s | \$2,000 00     |
| Dec.                                | 1, 1918, | Municipal (Serial)    | . . . 4s     | 1,000 00       |
| Mar.                                | 1, 1919, | Harvard Bridge        | . . . 4s     | 115,000 00     |
| Mar.                                | 1, 1919, | School (Serial)       | . . . 4s     | 5,000 00       |
| Mar.                                | 1, 1919, | Sewer (Serial)        | . . . 4s     | 500 00         |
| July                                | 1, 1919, | School House          | . . . 3 1-2s | 42,000 00      |
| July                                | 1, 1919, | School House (Serial) | . . . 4 1-2s | 3,250 00       |
| July                                | 1, 1919, | Building (Serial)     | . . . 4 1-2s | 5,500 00       |
| July                                | 1, 1919, | Street (Serial)       | . . . 4 1-2s | 9,300 00       |
| Sept.                               | 1, 1919, | Park (Serial)         | . . . 3 1-2s | 2,000 00       |
| Nov.                                | 1, 1919, | Street                | . . . 3 1-2s | 5,000 00       |
| Nov.                                | 1, 1919, | School House          | . . . 3 1-2s | 13,000 00      |
| Dec.                                | 1, 1919, | Municipal (Serial)    | . . . 4s     | 1,000 00       |
| Jan.                                | 1, 1920, | Street                | . . . 3 1-2s | 75,000 00      |
| Mar.                                | 1, 1920, | Sewer (Serial)        | . . . 4s     | 500 00         |
| July                                | 1, 1920, | Municipal             | . . . 4s     | 8,000 00       |
| July                                | 1, 1920, | School House (Serial) | . . . 4 1-2s | 3,250 00       |
| July                                | 1, 1920, | Building (Serial)     | . . . 4 1-2s | 5,500 00       |
| July                                | 1, 1920, | Street (Serial)       | . . . 4 1-2s | 9,300 00       |
| Sept.                               | 1, 1920, | Park (Serial)         | . . . 3 1-2s | 2,000 00       |
| Nov.                                | 1, 1920, | Harvard Bridge        | . . . 4s     | 5,000 00       |
| Nov.                                | 1, 1920, | Street                | . . . 3 1-2s | 21,000 00      |
| Dec.                                | 1, 1920, | Municipal (Serial)    | . . . 4s     | 1,000 00       |
| Mar.                                | 1, 1920, | Sewer (Serial)        | . . . 4s     | 500 00         |
| Mar.                                | 1, 1921, | Street                | . . . 3 1-2s | 25,800 00      |
| Mar.                                | 1, 1921, | Street                | . . . 4s     | 25,000 00      |
| Mar.                                | 1, 1921, | Street                | . . . 3 1-2s | 25,000 00      |
| July                                | 1, 1921, | Harvard Bridge        | . . . 4s     | 60,000 00      |
| July                                | 1, 1921, | Street                | . . . 3 1-2s | 30,000 00      |
| July                                | 1, 1921, | Cambridge Bridge      | . . . 3 1-2s | 24,000 00      |
| July                                | 1, 1921, | School House          | . . . 3 1-2s | 76,000 00      |
| July                                | 1, 1921, | Street                | . . . 3 1-2s | 55,000 00      |
| July                                | 1, 1921, | Municipal             | . . . 3 1-2s | 25,000 00      |
| July                                | 1, 1921, | Cemetery              | . . . 3 1-2s | 8,000 00       |
| July                                | 1, 1921, | School House (Serial) | . . . 4 1-2s | 3,250 00       |
| July                                | 1, 1921, | Building (Serial)     | . . . 4 1-2s | 5,500 00       |
| July                                | 1, 1921, | Street (Serial)       | . . . 4 1-2s | 9,300 00       |
| Sept.                               | 1, 1921, | Park (Serial)         | . . . 3 1-2s | 2,000 00       |
| Nov.                                | 1, 1921, | Public Library        | . . . 3 1-2s | 27,000 00      |
| Dec.                                | 1, 1921, | Charles River Basin   |              |                |
|                                     |          | Assess.               | . . . 4s     | 60,000 00      |
| Dec.                                | 1, 1921, | Street                | . . . 4s     | 17,000 00      |
| Dec.                                | 1, 1921, | Municipal (Serial)    | . . . 4s     | 1,000 00       |
| Mar.                                | 1, 1922, | Sewer (Serial)        | . . . 4s     | 500 00         |
| Mar.                                | 1, 1922, | Municipal             | . . . 3 1-2s | 15,500 00      |
| July                                | 1, 1922, | Hospital              | . . . 3 1-2s | 6,000 00       |
| July                                | 1, 1922, | School House          | . . . 3 1-2s | 86,500 00      |
| July                                | 1, 1922, | Street                | . . . 3 1-2s | 30,000 00      |
| July                                | 1, 1922, | School House (Serial) | . . . 4 1-2s | 3,250 00       |
| July                                | 1, 1922, | Building (Serial)     | . . . 4 1-2s | 5,500 00       |
| July                                | 1, 1922, | Street (Serial)       | . . . 4 1-2s | 9,300 00       |
| Sept.                               | 1, 1922, | Park (Serial)         | . . . 3 1-2s | 2,000 00       |
| Sept.                               | 1, 1922, | Municipal             | . . . 4s     | 35,000 00      |
| Sept.                               | 1, 1922, | Street                | . . . 4s     | 7,000 00       |
| <i>Amount carried forward</i> ..... |          |                       |              | \$2,814,750 00 |



*Amount brought forward*.....\$2,814,750 00

|       |          |                       |        |              |
|-------|----------|-----------------------|--------|--------------|
| Sept. | 1, 1922, | Street . . .          | 4s     | \$118,000 00 |
| Oct.  | 1, 1922, | Schoolhouse . .       | 3 1-2s | 11,000 00    |
| Nov.  | 1, 1922, | Street . . .          | 3 1-2s | 14,000 00    |
| Dec.  | 1, 1922, | Municipal (Serial) .  | 4s     | 1,000 00     |
| Feb.  | 1, 1923, | Municipal . . .       | 4s     | 4,800 00     |
| Feb.  | 1, 1923, | Municipal . . .       | 4s     | 35,000 00    |
| Feb.  | 1, 1923, | Street . . .          | 4s     | 10,000 00    |
| Feb.  | 1, 1923, | Street . . .          | 4s     | 3,000 00     |
| Mar.  | 1, 1923, | Sewer (Serial) . .    | 4s     | 500 00       |
| Apr.  | 1, 1923, | Street . . .          | 3 1-2s | 4,000 00     |
| Apr.  | 1, 1923, | Building . . .        | 3 1-2s | 3,000 00     |
| July  | 1, 1923, | School House (Serial) | 4 1-2s | 3,250 00     |
| July  | 1, 1923, | Street . . .          | 4s     | 57,800 00    |
| July  | 1, 1923, | Building (Serial) .   | 4 1-2s | 5,500 00     |
| July  | 1, 1923, | Street (Serial) . .   | 4 1-2s | 8,000 00     |
| July  | 1, 1923, | Municipal . . .       | 4s     | 25,000 00    |
| Aug.  | 1, 1923, | Harvard Bridge . .    | 4s     | 10,000 00    |
| Sept. | 1, 1923, | Park (Serial) . . .   | 3 1-2s | 2,000 00     |
| Oct.  | 1, 1923, | School House . . .    | 3 1-2s | 80,000 00    |
| Nov.  | 2, 1923, | Street . . .          | 3 1-2s | 12,000 00    |
| Dec.  | 1, 1923, | Municipal (Serial) .  | 4s     | 1,000 00     |
| Feb.  | 1, 1924, | Park . . .            | 4s     | 360,000 00   |
| Mar.  | 1, 1924, | Sewer (Serial) . .    | 4s     | 500 00       |
| Apr.  | 1, 1924, | Building . . .        | 3 1-2s | 25,000 00    |
| Apr.  | 1, 1924, | School House . . .    | 3 1-2s | 80,000 00    |
| May   | 1, 1924, | School House . . .    | 3 1-2s | 5,000 00     |
| July  | 1, 1924, | School House (Serial) | 4 1-2s | 3,250 00     |
| July  | 1, 1924, | Street (Serial) . .   | 4 1-2s | 2,000 00     |
| Aug.  | 1, 1924, | Sewer . . .           | 4s     | 75,000 00    |
| Sept. | 1, 1924, | Park (Serial) . . .   | 3 1-2s | 2,000 00     |
| Sept. | 1, 1924, | Street . . .          | 3 1-2s | 59,000 00    |
| Nov.  | 1, 1924, | Building . . .        | 3 1-2s | 6,000 00     |
| Nov.  | 1, 1924, | School House . . .    | 3 1-2s | 20,000 00    |
| Nov.  | 1, 1924, | Street . . .          | 3 1-2s | 6,500 00     |
| Mar.  | 1, 1925, | Sewer (Serial) . .    | 4s     | 500 00       |
| May   | 1, 1925, | Street . . .          | 3 1-2s | 84,000 00    |
| May   | 1, 1925, | School House . . .    | 3 1-2s | 20,950 00    |
| July  | 1, 1925, | School House (Serial) | 4 1-2s | 3,250 00     |
| July  | 1, 1925, | Street (Serial) . .   | 4 1-2s | 2,000 00     |
| Aug.  | 1, 1925, | School House . . .    | 3 1-2s | 20,000 00    |
| Sept. | 1, 1925, | Park (Serial) . . .   | 3 1-2s | 2,000 00     |
| Oct.  | 1, 1925, | Sewer . . .           | 4s     | 60,000 00    |
| Nov.  | 1, 1925, | Street . . .          | 3 1-2s | 1,500 00     |
| Mar.  | 1, 1926, | Sewer (Serial) . .    | 4s     | 500 00       |
| May   | 1, 1926, | Street . . .          | 4s     | 100,000 00   |
| July  | 1, 1926, | School House (Serial) | 4 1-2s | 3,250 00     |
| July  | 1, 1926, | Street (Serial) . .   | 4 1-2s | 2,000 00     |
| Aug.  | 1, 1926, | Park . . .            | 4s     | 100,000 00   |
| Aug.  | 1, 1926, | School House . . .    | 4s     | 47,000 00    |
| Aug.  | 1, 1926, | Street . . .          | 4s     | 22,000 00    |
| Sept. | 1, 1926, | Park (Serial) . . .   | 3 1-2s | 2,000 00     |
| Oct.  | 1, 1926, | Park . . .            | 4s     | 40,000 00    |
| Apr.  | 1, 1927, | Street . . .          | 4s     | 40,000 00    |
| June  | 1, 1927, | Street . . .          | 4s     | 19,000 00    |

*Amount carried forward*.....\$4,437,800 00

*Amount brought forward* .....\$4,437,800 00

|       |          |                       |        |            |
|-------|----------|-----------------------|--------|------------|
| July  | 1, 1927, | School House (Serial) | 4 1-2s | \$3,250 00 |
| July  | 1, 1927, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Sept. | 1, 1927, | Park (Serial) . . .   | 3 1-2s | 2,000 00   |
| Sept. | 1, 1927, | Street . . .          | 4s     | 25,000 00  |
| Sept. | 1, 1927, | Building . . .        | 4s     | 30,000 00  |
| Nov.  | 1, 1927, | Street . . .          | 4s     | 10,000 00  |
| Jan.  | 1, 1928, | Street . . .          | 4s     | 34,000 00  |
| July  | 1, 1928, | School House (Serial) | 4 1-2s | 3,250 00   |
| July  | 1, 1928, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Aug.  | 1, 1928, | Street . . .          | 4s     | 42,000 00  |
| Aug.  | 1, 1928, | Hospital . . .        | 4s     | 20,000 00  |
| Sept. | 1, 1928, | Park (Serial) . . .   | 3 1-2s | 2,000 00   |
| Dec.  | 1, 1928, | Schoolhouse . . .     | 3 1-2s | 40,000 00  |
| Mar.  | 1, 1929, | Street . . .          | 3 1-2s | 20,000 00  |
| July  | 1, 1929, | School House (Serial) | 4 1-2s | 3,250 00   |
| July  | 1, 1929, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Sept. | 1, 1929, | Park (Serial) . . .   | 3 1-2s | 2,000 00   |
| Nov.  | 1, 1929, | Sewer . . .           | 3 1-2s | 42,000 00  |
| Jan.  | 1, 1930, | Street . . .          | 3 1-2s | 13,500 00  |
| Jan.  | 1, 1930, | School House . . .    | 3 1-2s | 93,500 00  |
| July  | 1, 1930, | Sewer . . .           | 3 1-2s | 100,000 00 |
| July  | 1, 1930, | School House (Serial) | 4s     | 120,000 00 |
| July  | 1, 1930, | Cambridge Hospital .  | 4s     | 95,000 00  |
| July  | 1, 1930, | Street . . .          | 4s     | 12,000 00  |
| July  | 1, 1930, | School House (Serial) | 4 1-2s | 3,250 00   |
| July  | 1, 1930, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Sept. | 1, 1930, | Park (Serial) . . .   | 3 1-2s | 2 000 00   |
| Mar.  | 1, 1931, | Street . . .          | 3 1-2s | 27,000 00  |
| Mar.  | 1, 1931, | School House . . .    | 3 1-2s | 5,000 00   |
| July  | 1, 1931, | Street . . .          | 3 1-2s | 8,000 00   |
| July  | 1, 1931, | Street . . .          | 3 1-2s | 45,000 00  |
| July  | 1, 1931, | School House (Serial) | 4 1-2s | 3,250 00   |
| July  | 1, 1931, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Aug.  | 1, 1931, | Sewer . . .           | 3 1-2s | 110,000 00 |
| Sept. | 1, 1931, | Park (Serial) . . .   | 3 1-2s | 2,000 00   |
| Dec.  | 1, 1931, | Hospital . . .        | 3 1-2s | 4,000 00   |
| Feb.  | 1, 1932, | Street . . .          | 3 1-2s | 6,250 00   |
| Feb.  | 1, 1932, | School . . .          | 3 1-2s | 5,000 00   |
| Mar.  | 1, 1932, | Hospital . . .        | 3 1-2s | 25,000 00  |
| Mar.  | 1, 1932, | School House . . .    | 3 1-2s | 2,500 00   |
| July  | 1, 1932, | School House (Serial) | 4 1-2s | 3,250 00   |
| July  | 1, 1932, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Aug.  | 1, 1932, | Metropolitan Park As- |        |            |
|       |          | sessment . . .        | 3 1-2s | 46,000 00  |
| Sept. | 1, 1932, | Park (Serial) . . .   | 3 1-2s | 2,000 00   |
| Sept. | 1, 1932, | Street . . .          | 3 1-2s | 6,200 00   |
| Nov.  | 1, 1932, | Sewer . . .           | 3 1-2s | 20,000 00  |
| Apr.  | 1, 1933, | Sewer . . .           | 3 1-2s | 40,000 00  |
| July  | 1, 1933, | School House (Serial) | 4 1-2s | 3,250 00   |
| July  | 1, 1933, | Street . . .          | 4s     | 4,000 00   |
| July  | 1, 1933, | Street (Serial) . . . | 4 1-2s | 2,000 00   |
| Aug.  | 1, 1933, | Street . . .          | 4s     | 18,000 00  |
| Sept. | 1, 1933, | Park (Serial) . . .   | 3 1-2s | 1,000 00   |
| Oct.  | 1, 1933, | Sewer . . .           | 3 1-2s | 20,000 00  |

*Amount carried forward*.....\$5,576,500 00

Amount brought forward.....\$5,576,500 00

|       |          |                    |          |             |
|-------|----------|--------------------|----------|-------------|
| May   | 1, 1934, | Cambridge Bridge — |          |             |
|       |          | Special Loan       | . 3 1-2s | \$28,000 00 |
| May   | 1, 1934, | Sewer . . .        | . 3 1-2s | 112,000 00  |
| Sept. | 1, 1934, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Nov.  | 1, 1934, | Sewer . . .        | . 3 1-2s | 5,000 00    |
| May   | 1, 1935, | Sewer . . .        | . 3 1-2s | 90,000 00   |
| Aug.  | 1, 1935, | Park . . .         | . 4s     | 100,000 00  |
| Sept. | 1, 1935, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Feb.  | 1, 1936, | Park . . .         | . 4s     | 100,000 00  |
| May   | 1, 1936, | Sewer . . .        | . 4s     | 35,000 00   |
| Sept. | 1, 1936, | Sewer . . .        | . 4s     | 25,000 00   |
| Sept. | 1, 1936, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Apr.  | 1, 1937, | Sewer . . .        | . 4s     | 60,000 00   |
| Sept. | 1, 1937, | Park . . .         | . 3 1-2s | 100,000 00  |
| Sept. | 1, 1937, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Nov.  | 1, 1937, | Sewer . . .        | . 4s     | 10,000 00   |
| Nov.  | 1, 1937, | Charles River Im-  |          |             |
|       |          | provement . . .    | . 3 1-2s | 50,000 00   |
| June  | 1, 1938, | Park . . .         | . 3 1-2s | 50,000 00   |
| Aug.  | 1, 1938, | Park . . .         | . 3 1-2s | 50,000 00   |
| Aug.  | 1, 1938, | Charles River Im-  |          |             |
|       |          | provement . . .    | . 3 1-2s | 50,000 00   |
| Aug.  | 1, 1938, | Sewer . . .        | . 4s     | 25,000 00   |
| Sept. | 1, 1938, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Dec.  | 1, 1938, | Sewer . . .        | . 4s     | 17,000 00   |
| July  | 1, 1939, | Cambridge Bridge   | . 3 1-2s | 50,000 00   |
| July  | 1, 1939, | Sewer . . .        | . 3 1-2s | 2,000 00    |
| Aug.  | 1, 1939, | Park . . .         | . 3 1-2s | 100,000 00  |
| Sept. | 1, 1939, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Jan.  | 1, 1940, | Sewer . . .        | . 3 1-2s | 46,000 00   |
| May   | 1, 1940, | Sewer . . .        | . 4s     | 15,000 00   |
| July  | 1, 1940, | Cambridge Bridge   | . 3 1-2s | 100,000 00  |
| July  | 1, 1940, | Park . . .         | . 3 1-2s | 50,000 00   |
| July  | 1, 1940, | Sewer . . .        | . 4s     | 25,000 00   |
| July  | 1, 1940, | Playground . . .   | . 4s     | 50,000 00   |
| Sept. | 1, 1940, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Nov.  | 1, 1940, | Park . . .         | . 3 1-2s | 50,000 00   |
| Feb.  | 1, 1941, | Cambridge Bridge   | . 3s     | 100,000 00  |
| Mar.  | 1, 1941, | Sewer . . .        | . 3 1-2s | 10,000 00   |
| July  | 1, 1941, | Playground . . .   | . 3 1-2s | 15,000 00   |
| July  | 1, 1941, | Sewer . . .        | . 3 1-2s | 10,000 00   |
| July  | 1, 1941, | Sewer . . .        | . 3 1-2s | 10,000 00   |
| Sept. | 1, 1941, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Oct.  | 1, 1941, | Park . . .         | . 3 1-2s | 100,000 00  |
| Nov.  | 1, 1941, | Cambridge Bridge   | . 3 1-2s | 100,000 00  |
| Dec.  | 1, 1941, | System Sewer . .   | . 3 1-2s | 10,000 00   |
| Dec.  | 1, 1941, | Playground . . .   | . 3 1-2s | 30,000 00   |
| July  | 1, 1942, | Park . . .         | . 3 1-2s | 48,000 00   |
| Aug.  | 1, 1942, | Cambridge Bridge   | . 3 1-2s | 100,000 00  |
| Sept. | 1, 1942, | Park (Serial) . .  | . 3 1-2s | 1,000 00    |
| Jan.  | 1, 1943, | Cambridge Bridge   | . 3 1-2s | 50,000 00   |
| Sept. | 1, 1942, | Sewer . . .        | . 3 1-2s | 15,000 00   |

Amount carried forward .....\$7,578,500 00



*Amount brought forward*.....\$7,578,500 00

|       |          |                        |   |   |   |        |                      |
|-------|----------|------------------------|---|---|---|--------|----------------------|
| Feb.  | 1, 1943, | Sewer                  | . | . | . | 3 1-2s | \$10,000 00          |
| Feb.  | 1, 1943, | Separate Sewer         | . | . | . | 3 1-2s | 10,000 00            |
| Apr.  | 1, 1943, | Cambridge Bridge       | . | . | . | 3 1-2s | 50,000 00            |
| Apr.  | 1, 1943, | Park                   | . | . | . | 3 1-2s | 50,000 00            |
| July  | 1, 1943, | Sewer                  | . | . | . | 4s     | 25,000 00            |
| Aug.  | 1, 1943, | Cambridge Bridge       | . | . | . | 3 1-2s | 50,000 00            |
| Jan.  | 1, 1944, | Cambridge Bridge       | . | . | . | 3 1-2s | 100,000 00           |
| May   | 1, 1944, | Cambridge Bridge       | . | . | . | 3 1-2s | 200,000 00           |
| Aug.  | 1, 1944, | Cambridge Bridge       | . | . | . | 3 1-2s | 100,000 00           |
| Sept. | 1, 1944, | Cambridge Bridge       | . | . | . | 3 1-2s | 50,000 00            |
| Sept. | 1, 1944, | Park                   | . | . | . | 3 1-2s | 25,000 00            |
| Nov.  | 1, 1944, | Park                   | . | . | . | 3 1-2s | 6,000 00             |
| Apr.  | 1, 1945, | Park                   | . | . | . | 3 1-2s | 5,000 00             |
| May   | 1, 1945, | Park                   | . | . | . | 3 1-2s | 45,000 00            |
| May   | 1, 1945, | Cambridge Bridge       | . | . | . | 3 1-2s | 150,000 00           |
| Aug.  | 1, 1945, | Park                   | . | . | . | 3 1-2s | 5,000 00             |
| Dec.  | 1, 1945, | Cambridge Bridge       | . | . | . | 3 1-2s | 100,000 00           |
| Jan.  | 1, 1946, | Cambridge Bridge       | . | . | . | 3 1-2s | 20,000 00            |
| Aug.  | 1, 1946, | Cambridge Bridge       | . | . | . | 4s     | 150,000 00           |
| Aug.  | 1, 1946, | Commercial Ave. Bridge | . | . | . | 4s     | 50,000 00            |
| Sept. | 1, 1946, | Park                   | . | . | . | 4s     | 25,000 00            |
| Sept. | 1, 1946, | Cambridge Bridge       | . | . | . | 4s     | 5,000 00             |
| Jan.  | 1, 1947, | Cambridge Bridge       | . | . | . | 4s     | 50,000 00            |
| July  | 1, 1947, | Cambridge Bridge       | . | . | . | 4s     | 40,000 00            |
| Oct.  | 1, 1947, | Cambridge Bridge       | . | . | . | 4s     | 15,000 00            |
| Oct.  | 1, 1947, | Park                   | . | . | . | 4s     | 10,000 00            |
| Aug.  | 1, 1948, | Cambridge Bridge       | . | . | . | 4s     | 45,000 00            |
| Aug.  | 1, 1948, | Park                   | . | . | . | 4s     | 30,000 00            |
| Nov.  | 1, 1948, | Park                   | . | . | . | 4s     | 12,000 00            |
| Jan.  | 1, 1950, | Park                   | . | . | . | 3 1-2s | 8,800 00             |
| July  | 1, 1950, | Cambridge Bridge       | . | . | . | 4s     | 20,000 00            |
| Mar.  | 1, 1951, | Park                   | . | . | . | 3 1-2s | 17,000 00            |
| July  | 1, 1951, | Park                   | . | . | . | 3 1-2s | 7,000 00             |
| Dec.  | 1, 1951, | Park                   | . | . | . | 3 1-2s | 6,200 00             |
| Dec.  | 1, 1951, | Bridge                 | . | . | . | 3 1-2s | 10,000 00            |
| Mar.  | 1, 1952, | Bridge                 | . | . | . | 3 1-2s | 10,000 00            |
|       |          |                        |   |   |   |        | <hr/> \$9,090,500 00 |

The bonded Water Debt matures as follows:—

|       |         |   |        |          |   |   |             |
|-------|---------|---|--------|----------|---|---|-------------|
| May   | 1, 1914 | . | 3 1-2% | (Serial) | . | . | \$12,500 00 |
| July  | 1, 1914 | . | 4      | (Serial) | . | . | 2,000 00    |
| Sept. | 1, 1914 | . | 3 1-2  | (Serial) | . | . | 1,000 00    |
| Nov.  | 1, 1914 | . | 4      | (Serial) | . | . | 500 00      |
| Dec.  | 1, 1914 | . | 3 1-2  | (Serial) | . | . | 1,000 00    |
| Feb.  | 1, 1915 | . | 4      | (Serial) | . | . | 1,500 00    |
| Mar.  | 1, 1915 | . | 4      | (Serial) | . | . | 500 00      |
| Apr.  | 1, 1915 | . | 4      |          | . | . | 200,000 00  |
| May   | 1, 1915 | . | 3 1-2  | (Serial) | . | . | 12,500 00   |

*Amount carried forward*..... \$231,500 00



*Amount brought forward*..... \$231,500 00

|       |         |   |       |          |   |   |            |
|-------|---------|---|-------|----------|---|---|------------|
| July  | 1, 1915 | . | 4     | (Serial) | . | . | \$2,000 00 |
| Aug.  | 1, 1915 | . | 4     | (Serial) | . | . | 200,000 00 |
| Sept. | 1, 1915 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Nov.  | 1, 1915 | . | 4     | (Serial) | . | . | 500 00     |
| Dec.  | 1, 1915 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Feb.  | 1, 1916 | . | 4     | (Serial) | . | . | 1,500 00   |
| Mar.  | 1, 1916 | . | 4     | (Serial) | . | . | 500 00     |
| Apr.  | 1, 1916 | . | 4     |          | . | . | 100,000 00 |
| May   | 1, 1916 | . | 3 1-2 | (Serial) | . | . | 12,500 00  |
| July  | 1, 1916 | . | 4     |          | . | . | 200,000 00 |
| July  | 1, 1916 | . | 4     | (Serial) | . | . | 500 00     |
| Aug.  | 1, 1916 | . | 4     |          | . | . | 100,000 00 |
| Sept. | 1, 1916 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Oct.  | 1, 1916 | . | 4     |          | . | . | 265,100 00 |
| Nov.  | 1, 1916 | . | 4     | (Serial) | . | . | 500 00     |
| Dec.  | 1, 1916 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Feb.  | 1, 1917 | . | 4     | (Serial) | . | . | 1,500 00   |
| Mar.  | 1, 1917 | . | 4     | (Serial) | . | . | 500 00     |
| Apr.  | 1, 1917 | . | 3 1-2 |          | . | . | 200,000 00 |
| May   | 1, 1917 | . | 3 1-2 | (Serial) | . | . | 12,500 00  |
| July  | 1, 1917 | . | 3 1-2 |          | . | . | 100,000 00 |
| July  | 1, 1917 | . | 4     | (Serial) | . | . | 2,000 00   |
| Sept. | 1, 1917 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Nov.  | 1, 1917 | . | 3 1-2 |          | . | . | 75,000 00  |
| Nov.  | 1, 1917 | . | 4     | (Serial) | . | . | 500 00     |
| Dec.  | 1, 1917 | . | 3 1-2 |          | . | . | 140,000 00 |
| Dec.  | 1, 1917 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Feb.  | 1, 1918 | . | 4     | (Serial) | . | . | 1,500 00   |
| Mar.  | 1, 1918 | . | 4     | (Serial) | . | . | 500 00     |
| May   | 1, 1918 | . | 3 1-2 | (Serial) | . | . | 12,500 00  |
| May   | 2, 1918 | . | 3 1-2 |          | . | . | 50,000 00  |
| June  | 1, 1918 | . | 3 1-2 |          | . | . | 60,000 00  |
| July  | 1, 1918 | . | 4     | (Serial) | . | . | 2,000 00   |
| Sept. | 1, 1918 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Nov.  | 1, 1918 | . | 3 1-2 |          | . | . | 50,000 00  |
| Nov.  | 1, 1918 | . | 4     | (Serial) | . | . | 500 00     |
| Dec.  | 1, 1918 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Feb.  | 1, 1919 | . | 4     | (Serial) | . | . | 1,500 00   |
| Mar.  | 1, 1919 | . | 4     | (Serial) | . | . | 500 00     |
| May   | 1, 1919 | . | 3 1-2 | (Serial) | . | . | 12,500 00  |
| July  | 1, 1919 | . | 4     | (Serial) | . | . | 2,000 00   |
| Sept. | 1, 1919 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Nov.  | 1, 1919 | . | 3 1-2 |          | . | . | 23,000 00  |
| Nov.  | 1, 1919 | . | 4     | (Serial) | . | . | 500 00     |
| Dec.  | 1, 1919 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Feb.  | 1, 1920 | . | 4     | (Serial) | . | . | 1,500 00   |
| Mar.  | 1, 1920 | . | 4     | (Serial) | . | . | 500 00     |
| May   | 1, 1920 | . | 3 1-2 | (Serial) | . | . | 12,500 00  |
| July  | 1, 1920 | . | 4     | (Serial) | . | . | 2,000 00   |
| Sept. | 1, 1920 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Nov.  | 1, 1920 | . | 3 1-2 |          | . | . | 30,000 00  |
| Nov.  | 1, 1920 | . | 4     | (Serial) | . | . | 500 00     |
| Dec.  | 1, 1920 | . | 3 1-2 | (Serial) | . | . | 1,000 00   |
| Feb.  | 1, 1921 | . | 4     | (Serial) | . | . | 1,500 00   |
| Mar.  | 1, 1921 | . | 4     | (Serial) | . | . | 500 00     |

*Amount carried forward*.....\$1,924,600 00

|                                     |         |   |       |          |   |                |
|-------------------------------------|---------|---|-------|----------|---|----------------|
| <i>Amount brought forward</i> ..... |         |   |       |          |   | \$1,924,600 00 |
| May                                 | 1, 1921 | . | 3 1-2 | (Serial) | . | \$12,500 00    |
| July                                | 1, 1921 | . | 3 1-2 |          | . | 30,000 00      |
| July                                | 1, 1921 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1921 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1921 | . | 4     | (Serial) | . | 500 00         |
| Dec.                                | 1, 1921 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1922 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1922 | . | 4     | (Serial) | . | 500 00         |
| May                                 | 1, 1922 | . | 3 1-2 | (Serial) | . | 12,500 00      |
| July                                | 1, 1922 | . | 3 1-2 |          | . | 13,500 00      |
| July                                | 1, 1922 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1922 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1922 | . | 3 1-2 |          | . | 5,000 00       |
| Nov.                                | 1, 1922 | . | 4     | (Serial) | . | 500 00         |
| Dec.                                | 1, 1922 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1923 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1923 | . | 4     | (Serial) | . | 500 00         |
| May                                 | 1, 1923 | . | 3 1-2 | (Serial) | . | 12,500 00      |
| July                                | 1, 1923 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1923 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1923 | . | 4     | (Serial) | . | 2,000 00       |
| Dec.                                | 1, 1923 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1924 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1924 | . | 4     | (Serial) | . | 500 00         |
| Apr.                                | 1, 1924 | . | 4     |          | . | 300,000 00     |
| May                                 | 1, 1924 | . | 3 1-2 | (Serial) | . | 12,500 00      |
| July                                | 1, 1924 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1924 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1924 | . | 4     | (Serial) | . | 500 00         |
| Dec.                                | 1, 1924 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1925 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1925 | . | 4     | (Serial) | . | 500 00         |
| May                                 | 1, 1925 | . | 3 1-2 | (Serial) | . | 12,500 00      |
| May                                 | 1, 1925 | . | 3 1-2 |          | . | 46,000 00      |
| July                                | 1, 1925 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1925 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1925 | . | 4     | (Serial) | . | 500 00         |
| Dec.                                | 1, 1925 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1926 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1926 | . | 4     | (Serial) | . | 500 00         |
| July                                | 1, 1926 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1926 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1926 | . | 4     | (Serial) | . | 500 00         |
| Dec.                                | 1, 1926 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1927 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1927 | . | 4     | (Serial) | . | 500 00         |
| July                                | 1, 1927 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1927 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Nov.                                | 1, 1927 | . | 4     | (Serial) | . | 500 00         |
| Dec.                                | 1, 1927 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| Feb.                                | 1, 1928 | . | 4     | (Serial) | . | 1,500 00       |
| Mar.                                | 1, 1928 | . | 4     | (Serial) | . | 500 00         |
| June                                | 1, 1928 | . | 4     |          | . | 20,000 00      |
| July                                | 1, 1928 | . | 4     | (Serial) | . | 2,000 00       |
| Sept.                               | 1, 1928 | . | 3 1-2 | (Serial) | . | 1,000 00       |
| <i>Amount carried forward</i> ..... |         |   |       |          |   | \$2,451,600 00 |





# REPORT OF THE FINANCE COMMITTEE.

The annual report of the Committee on Finance is herewith submitted, it being for the financial year ending March 31, 1914.

Following is a summarized statement of the annual estimates as reported to the City Council at the beginning of the year:

|   |                |
|---|----------------|
| 1—General Government .....              | \$137,159 00   |
| 2—Protection of Life and Property ..... | 402,845 72     |
| 3—Health and Sanitation .....           | 236,956 14     |
| 4—Highways and Bridges .....            | 247,513 71     |
| 5—Charities .....                       | 72,774 00      |
| 6—Soldiers' Benefits .....              | 27,350 00      |
| 7—Education .....                       | 560,890 35     |
| 8—Libraries and Reading Rooms .....     | 31,349 50      |
| 9—Recreation .....                      | 32,410 00      |
| 10—Cemeteries .....                     | 19,744 00      |
| 11—Interest .....                       | 339,560 50     |
| 12—Sinking Funds .....                  | 269,412 70     |
| 13—Unclassified .....                   | 29,500 00      |
| 14—Water Works .....                    | 356,596 97     |
|   | <hr/>          |
|   | \$2,764,062 59 |

## LESS

|   |                  |
|---|------------------|
| Public Safety Department .....  | \$364,578 72     |
| Education .....   | 560,890 35       |
|   | <hr/>            |
|   | \$925,469 07     |
| Interest .....  | 339,560 50       |
| Sinking Fund .....  | 269,412 70       |
|   | <hr/>            |
|   | 1,534,442 27     |
|   | <hr/>            |
|   | \$1,229,620 32   |
| Average valuation in 1910, 1911, 1912 .....                                 | \$112,178,069 33 |
| \$12.00 per \$1,000 on same .....   | \$1,346,136 83   |
| Deduct amount for Schools and public safety<br>departments .....            | 925,469 07       |
|   | <hr/>            |
|   | \$420,667 76     |
| Add estimated revenue .....   | 814,496 97       |
|   | <hr/>            |
| Total amount available inside \$12.00 limit .....                           | \$1,235,164 73   |
| Total amount of Committee recommendations<br>inside the \$12.00 limit ..... | 1,229,620 32     |
| Add interest and sinking fund requirements....                              | 608,973 20       |
| Add allowance for schools and public safety<br>departments .....            | 925,469 07       |
|   | <hr/>            |
|   | \$2,764,062 59   |
| Less estimated revenue April 1, 1913 .....                                  | 814,496 97       |
|   | <hr/>            |
| Leaving amount to be provided for.....                                      | \$1,949,565 62   |



The Committee recommends that this amount be provided for: By assessment upon the Polls and Estates of the inhabitants of Cambridge, etc., for the current year, being the amount required for Municipal, School and Public Safety Departments for the year.

Orders were recommended in accordance with the foregoing estimates and the same were adopted by the City Council.

President Peter J. Nelligan of the Board of Aldermen, Alderman James F. Black and Councilman Frank J. Lehan of the Common Council were appointed a sub-committee to count the cash in the treasury at the close of business on the last day of the financial year, March 31, 1914. They attended to the duty assigned to them and reported as follows:

March 31, 1914.

*To the Committee on Finance, City of Cambridge.*

Gentlemen: The Sub-Committee appointed to examine the cash in the hands of the City Treasurer at the close of business on March 31, 1914, would respectfully report:—

March 31, 1914.

Actual cash and business checks in City Treasurer's office amounts to ..... \$6,786 94

Also certificates of deposit, showing balances at the close of business, March 31, 1914, to the credit of the City Treasurer as follows:

|   |            |
|---|------------|
| 1. Harvard Trust Company, of Cambridge .....    | \$6,382 24 |
| 2. Cambridge Trust Company, of Cambridge .....  | 5,586 36   |
| 3. Massachusetts Trust Company, of Boston ..... | 5,014 47   |
| 4. Central Trust Company, of Cambridge .....    | 5,899 43   |
| 5. Fidelity Trust Company, of Boston .....      | 5,065 92   |
| 6. Charles River National, of Cambridge .....   | 5,697 77   |
| 7. National City Bank, of Cambridge .....       | 2,130 85   |
| 8. Lechmere National Bank, of Cambridge .....   | 5,577 04   |
| 9. Charlestown Trust Company, of Boston .....   | 5,043 17   |
| 10. Liberty Trust Company, of Boston .....      | 5,996 53   |
| 11. Guaranty Trust Company, of Cambridge .....  | 5,651 39   |

Cash on hand March 31, 1914 ..... \$64,832 11

April 9, 1914.

After the above examination by your Committee, additional entries belonging to the financial year ending March 31, 1914, were made as follows:

#### RECEIPTS

On account:

|                              |         |
|------------------------------|---------|
| Licenses .....               | \$13 50 |
| City Clerk .....             | 14 05   |
| Libraries, Fines, etc. ....  | 315 99  |
| Water Department—Rates ..... | 903 09  |

*Amounts carried forward.....* \$1,246 63

|   |          |             |
|---|----------|-------------|
| <i>Amount brought forward</i> .....   |          | \$1,246 63  |
| City Home .....   | \$127 50 |             |
| City Farm .....   | 1,152 95 |             |
| House Offal .....   | 1,513 47 |             |
| Court Fines .....   | 731 40   |             |
| Cemetery Department Burials .....   | 171 83   |             |
| Cemetery Department Sales .....   | 230 00   |             |
|   | <hr/>    | 5,173 78    |
| Which added to the City Treasurer's cash balance<br>as above makes a total of ..... |          | \$70,005 89 |

## EXPENDITURES

On account:

|  |           |             |
|--|-----------|-------------|
| Ten day draft No. 300 .....  | \$210 89  |             |
| School Department, Surplus 1913-1914 .....   | 5,006 36  |             |
| Water Department, Maintenance to Sinking<br>Fund .....   | 53,721 82 |             |
| Abatement .....  | 08        |             |
|  | <hr/>     | 58,939 15   |
| Leaving a total of .....   |           |             |
| Which deducted from the foregoing total of receipts<br>shows a balance in the City Treasurer's hands<br>as of March 31, 1914, of ..... |           | \$11,066 74 |

The Sub-Committee also examined the total cash receipts and expenditures as per City Treasurer's ledger and find the same to be as follows:

|  |                |
|--|----------------|
| Cash balance March 31, 1913 .....  | \$93,279 27    |
| Cash receipts for year ending March 31, 1914.....  | 4,251,680 01   |
|  | <hr/>          |
| Total cash for year ending March 31, 1914.....   | \$4,344,959 28 |
| Total cash expenditures for year ending March 31,<br>1914 .....                                  | 4,333,892 54   |
|  | <hr/>          |
| Which deducted from total receipts shows a cash<br>balance as of March 31, 1914, as above of.... | \$11,066 74    |

The above statements of receipts and expenditures were verified by comparison with the City Auditor's statement for year ending March 31, 1914. The Sub-Committee also examined the securities belonging to the Cemetery Fund and Sarah E. Russell Fund, both held in trust by the City Treasurer, and find the same to be correct.

PETER J. NELLIGAN,  
JAMES F. BLACK,  
FRANK J. LEHAN,

*Sub-Committee on Finance.*

The foregoing report was transmitted for inclusion in the general report of the Committee hereinbefore given.

PETER J. NELLIGAN,  
JAMES F. BLACK,  
JOHN P. GOOD,  
JOHN A. KELLEHER,  
JOHN H. LYNCH,  
WALTER H. KIRBY,  
FRANK J. LEHAN  
CLARENCE W. DOOLEY,  
NELSON C. METCALF,  
MICHAEL J. MAHONEY,

Committee on Finance.





# ANNUAL REPORT OF THE DEPARTMENT OF PUBLIC SAFETY

---

COMMISSIONER'S OFFICE, CITY HALL,

Cambridge, April 10, 1914.

TO HIS HONOR, TIMOTHY W. GOOD, Mayor.

Sir:—I respectfully submit herewith the report of the Department of Public Safety for the fiscal year ending March 31st, 1914, which contains the complete statistics of both the Police and Fire Divisions constituting said department.

The Department of Public Safety was created and

By an act of the Legislature dated May 20, 1912, the Commissioner was appointed on July 10 of the same year. It will thus be seen that the Department has now been in existence for upward of two years.

## PERSONNEL OF THE DEPARTMENT

The Department of Public Safety consists of a commissioner, one clerk, a Fire Division, with a chief, a deputy chief, thirteen captains, twelve lieutenants, seven engine men, seventy-one privates and twenty-eight call men; a Police Division with a chief, five captains, one of whom is a captain of inspectors, ten lieutenants, two of whom are detailed as inspectors, eleven sergeants, one hundred and fourteen patrolmen, twenty-five reserve patrolmen, seven patrol drivers and two matrons.

## EQUIPMENT

The Fire Division of this department has seven steam engine companies, two chemical engine companies, four ladder companies, one of which has in connection with it a combination hose and chemical wagon. These are housed in eleven different buildings scattered over various parts of the city and have at their disposal seven steam

engines and hose wagons to run with them, one spare steam engine, seven fuel wagons, one spare hose wagon, two chemical engines, two combination hose and chemical engines, four ladder trucks, one of which is an aerial, one spare ladder truck, one supply wagon and three chief's wagons, one of which is kept in reserve. A description of each apparatus is given in the roster of the Fire Division. There are fifty-five horses, 15,200 feet of 2½-inch cotton rubber-lined hose, 200 feet of 2-inch cotton rubber-lined hose, and 1,350 feet of ¾-inch chemical hose.

The Police Division of the department has a police headquarters, four station houses with lockups, detention quarters for women, three patrol wagons, one ambulance, three combination patrol wagons and ambulances and five horses.

### SALARIES.

During the early months of the administration of this department there was considerable controversy over the salaries paid to the members both of the police and fire forces, owing to the fact that increases in these salaries were ordered by the previous administration in excess of the amount at the disposal of the department with which to meet them. Increases representing 25 cents per day for all members of the Police Force except the Chief of Police and reserve patrolmen and all members of the Fire Force except the Chief, Deputy Chief and call firemen. As the funds at the disposal of the Commissioner were insufficient to meet these amounts, a compromise was made representing 20 cents per day increase for regular members of the Police and Fire Forces, and an increase of \$250 each per year for the Chief and Deputy Chief of the Fire Force.

As soon as the valuation for the City of Cambridge was made known by the Assessors for the year 1914, the Commissioner, in compliance with his promise of the previous year issued an order dated January 15th, 1914, fixing the salary of Police Officers and Firemen from January 1st, 1914, as follows:—

- Captains of Police, \$1,500.00 per year.
- Lieutenants of Police, \$1,400.00 per year.
- Sergeants of Police, \$1,300.00 per year.
- Patrolmen of Police, \$1,168.00 per year.
- Drivers of patrol wagons and ambulances, \$985.50 per year.
- Chief of the Fire Force, \$2,500.00 per year.
- Deputy Chief Fire Force, \$2,000.00 per year.
- Captains, \$1,400.00 per year.
- Lieutenants, \$1,350.00 per year.



Enginemen, \$1,271.40 per year.

Privates, after second year, \$1,168.00 per year.

Privates, after first year, \$992.80 per year.

Privates, after appointment, \$894.25 per year.

Call men, \$286.00 per year.

## APPOINTMENTS

|                           |                    | <i>Division</i> | <i>Rank</i> |
|---------------------------|--------------------|-----------------|-------------|
| Joseph A. McDonald.....   | May 2, 1913.....   | Fire .....      | Private     |
| Charles F. O'Connor ..... | May 2, 1913.....   | Fire .....      | Private     |
| John F. Collins.....      | May 2, 1913.....   | Fire .....      | Private     |
| John J. Flavin.....       | May 2, 1913.....   | Fire .....      | Private     |
| Leo A. Diehl.....         | Oct. 4, 1913.....  | Fire .....      | Private     |
| Thomas L. Glavin.....     | Oct. 4, 1913.....  | Fire .....      | Private     |
| Thomas J. Strokes.....    | Aug. 1, 1913.....  | Police .....    | Reserve     |
| William F. Regan.....     | Oct. 4, 1913.....  | Police .....    | Reserve     |
| John H. Falvey.....       | Jan. 25, 1913..... | Police .....    | Reserve     |
| Wellington D. Bateman..   | March 1, 1914..... | Police .....    | Reserve     |
| Martin Hogan .....        | March 1, 1914..... | Police .....    | Reserve     |
| Charles E. Mallahan.....  | March 1, 1914..... | Police .....    | Reserve     |
| Thomas F. Burke.....      | March 1, 1914..... | Police .....    | Reserve     |
| Thomas J. Morrissey.....  | March 1, 1914..... | Police .....    | Reserve     |
| Joseph J. Riendeau.....   | March 1, 1914..... | Police .....    | Reserve     |
| John F. Mulvihill.....    | March 1, 1914..... | Police .....    | Reserve     |
| Jeremiah J. Coughlin..... | March 1, 1914..... | Police .....    | Reserve     |

## RETIREMENTS

|                        |                     |              |           |
|------------------------|---------------------|--------------|-----------|
| John McCarthy .....    | Oct. 1, 1913.....   | Fire .....   | Pensioned |
| John H. McDermott..... | Oct. 1, 1913.....   | Fire .....   | Pensioned |
| Elbridge S. Blen.....  | Sept. 20, 1913..... | Police ..... | Pensioned |

## DEATHS

|                          |                   |             |                 |
|--------------------------|-------------------|-------------|-----------------|
| William F. Newman.....   | Jan. 9, 1913..... | Fire .....  | Captain         |
| Frederick B. Pullen..... | June 4, 1913..... | Police .... | Chief of Police |

## RESIGNATIONS

|                         |                     |              |           |
|-------------------------|---------------------|--------------|-----------|
| Edward F. Horrigan..... | Jan. 26, 1913.....  | Police ..... | Patrolman |
| Edward Grant .....      | April 29, 1913..... | Fire .....   | Private   |

## FIRE AND ALARMS

The whole number of alarms for the year were as follows:—  
Bell alarms, 410; still alarms, 279. Total, 689.

Responded to out-of-town calls 38 times.

LOSSES AND INSURANCE

The following table shows the value of the property damaged by fire, the loss to said property and the amount of insurance carried and paid thereon:—

|                 | <i>Values</i>  | <i>Losses</i> | <i>Insurance</i> | <i>Ins. Paid</i> |
|-----------------|----------------|---------------|------------------|------------------|
| Buildings ..... | \$2,596,486 00 | \$77,910 43   | \$2,046,134 00   | \$68,555 43      |
| Contents .....  | 676,675 00     | 77,363 00     | 488,066 00       | 74,069 82        |

EXPENDITURES

|   |              |
|---|--------------|
| Commissioner's Office—General Expenses..... | \$6,596 39   |
| Fire Division—Salaries and Pensions.....    | \$137,414 44 |
| General Expenses .....                      | 24,023 88    |
| <hr/>                                       |              |
| Total .....                                 | 161,438 32   |
| Police Division—Salaries and Pensions.....  | \$188,122 54 |
| General Expenses .....                      | 8,411 67     |
| <hr/>                                       |              |
| Total .....                                 | 196,534 21   |
| <hr/>                                       |              |
| Grand Total .....                           | \$364,568 92 |

IMPROVEMENTS

Many improvements in both divisions of this service have marked the fiscal year just closed. In the Fire Division a new Fire Headquarters, the first of its kind in the history of the City, was opened at Inman Square during the closing days of last year's administration. On the same day there was accepted by the City of Cambridge the first instalment of motorized fire apparatus the city has ever owned. As the building occupied by Fire Headquarters is also the station for Engine Company No. 5, the building and equipment were dedicated at the same time.

The new building is a splendid specimen of modern architecture and is devoted to the following purposes: Fire Headquarters, Engine Co. No. 5, with thirteen sleeping apartments, two baths, lounging and billiard room, recreation piazza, headquarters of the Fire Alarm Signal System and City Electrician and a ward room for the use of the people in the Inman Square district.

The motor apparatus consists of a tractor drawn steam engine, a motor chemical and hose wagon, a chief's car and a deputy chief's

car. This is the beginning of a movement for better facilities in fire apparatus which should continue from year to year until this division of the service is as completely motorized as circumstances may demand.

## REGULATION OF DANCE HALLS

One of the most serious conditions which had been for some time confronting the police of the city has been effectually met during the past year. Cambridge has twelve (12) or more public dance halls, which, during the winter months, are frequented by hundreds of young people, usually without the restraining influence of a parent or guardian. Abuses of a very serious nature had gradually been creeping into these assemblies until they became the center of anxiety for parents and of solicitude for citizens in general, and clergymen in particular.

In order to cope with the evils incidental to the modern dances, the whiskey bottle, and unprotected female minors, crap shooting, the fake organization promoters, known as the two men clubs, the Commissioner and the Mayor held a conference early last autumn and decided upon a line of action which has had splendid results. Finding that the supervision of such places needed the attention of some one who would make a specialty of the work, His Honor the Mayor decided to create the position of supervisor of entertainments, and on November 10, 1913, Mr. William F. Boyle was appointed to the position. For his guidance in the performance of his duty, the following regulations were promulgated. To wit:—

### DEPARTMENT OF PUBLIC SAFETY, CAMBRIDGE, MASS.

#### Office of the Commissioner

Attention is called to following regulations pertaining to dance halls in the City of Cambridge.

The management of halls will be held strictly responsible for their enforcement, and any violation thereof will result in the suspension or revocation of their license.



## REGULATIONS FOR DANCE HALLS.

1. Improper dancing will not be tolerated; persons so indulging will be immediately ejected.
2. No moonlight or shadow lighting effects will be permitted. The hall must remain fully lighted.
3. Smoking permitted only in gentlemen's room, not in hall or corridors.
4. Singing either with or without the use of a megaphone except between dances is not allowed.
5. Gentlemen must not remain in ladies' rooms or parlors.
6. No dance shall continue after 2 o'clock A. M., unless by written permission of the Mayor, and not later than 11.30 o'clock P. M. Saturdays.
7. A police officer shall be in attendance at all public dances.
8. Pass-out checks are not to be issued.
9. Minors under the age of 17 years shall not be admitted to hall unless accompanied by parents or guardian. This should be given special attention by the management and police officer.
10. Disorderly persons will be arrested for "disturbing a public assemblage."
11. All emergency exits from hall, including the entries and stairways of such exits, shall be properly lighted while the audience is in the hall.
12. By special instructions of the directors of the Musicians' Union all orchestras are directed to obey the orders of the representative of the Mayor to cease playing should conditions so justify.
13. Any person defacing or removing these regulations will be prosecuted.
14. These regulations shall be posted in a conspicuous place in the hall.

HENRY J. CUNNINGHAM,

*Commissioner.*

Among the first results accomplished by the Inspector was the elimination of all young girls under seventeen (17) years of age from dance halls unless accompanied by their parents or guardian; the disappearance of gambling in all forms in the ante-rooms and galleries of dance halls; the curtailment of the use of liquor to such an extent that the customary disturbances incidental to the midnight intermission became entirely eliminated, and as time went on, the indecent modern dances, known as the animal dances, were no longer attempted in Cambridge public halls.



So marked was the improvement in the moral tone of these dance halls that the various organizations of social workers, after preparing their joint annual report condemning conditions in our public halls felt obliged, as the result of their personal investigations, to write a new report after a lapse of four (4) weeks, withdrawing the unpublished statements in the original report and commending the dance halls of Cambridge for their splendid order and clean moral conditions.

## LICENSE BUREAU

It does not seem to be generally known to the citizens of Cambridge that there are between fifteen hundred and two thousand people doing business in this city under licenses of various kinds, and it came rather as a surprise to many when the Commissioner established within the police force of Cambridge a distinct branch of the service known as the License Bureau. This Bureau was established by an order dated May 8th, 1913, and was placed in charge of the following inspectors: Thomas F. Coady, chief inspector; Edward J. Comerford and Charles W. Wyman. The work performed by these inspectors has been productive of many important results and has brought to the treasury of the city much additional revenue. The files of this bureau contain a card catalogue of every licensed individual or firm in the city and every applicant for license, and an investigation is made of each applicant before a license is granted and regular inspections of the licensees after they are authorized to do business. The curtailment of illegal sales of liquor by druggists has been very marked since the establishment of this bureau. Many peddlers' licenses have been revoked for the use of short weights and other infractions of the law. The so-called pony expressmen have been brought into court and punished for illegal traffic in spirituous liquors, and many persons not properly qualified have been denied licenses altogether.

The Commissioner's office has also taken charge of the collection of license fees, and through co-ordination with the City Clerk's office, all applicants for licenses must deposit their license fee at the Commissioner's office before their license will be considered by the Board of Aldermen and signed by the Mayor.

The whole programme is now working out so satisfactorily that

those selfish opponents to the plan who endeavored to enlist the sympathy of their political friends in crushing it out of existence have now bowed to the inevitable and are lending a helping hand to their efforts for better law enforcement produced by the License Bureau of Cambridge.

Respectfully submitted,

HENRY J. CUNNINGHAM,

*Commissioner.*

# POLICE DIVISION

The following statistics compiled by the Chief of Police show the work of this branch of the service.

The whole number of arrests for the year was 4,550; last year there were 4,709, a decrease of 159 for this year.

|                     |       |                 |       |
|---------------------|-------|-----------------|-------|
| Males .....         | 4,196 | Residents ..... | 3,290 |
| Females .....       | 354   | Adults .....    | 3,711 |
| Non-residents ..... | 1,260 | Minors .....    | 839   |

The offences for which arrests have been made are as follows :

|                                |       |                                 |     |
|--------------------------------|-------|---------------------------------|-----|
| Adultery .....                 | 9     | Escaped prisoners .....         | 18  |
| Assault and battery.....       | 340   | Evading car fare.....           | 2   |
| Assault with dang. weapon...   | 1     | Exposing person .....           | 2   |
| Assault, felonious .....       | 7     | Employing a minor.....          | 2   |
| Assault on officer.....        | 2     | Forgery .....                   | 12  |
| Assault, indecent .....        | 7     | Fornication .....               | 10  |
| Attempt to commit larceny...   | 2     | Fugitive from justice.....      | 1   |
| Attempt to commit rape.....    | 2     | Gaming or present at.....       | 56  |
| Attempt to rescue prisoner...  | 2     | Gaming on the Lord's day....    | 47  |
| Abandoning a child.....        | 17    | Having obscene ballad in pos-   |     |
| Appropriating auto .....       | 1     | session .....                   | 1   |
| Abduction .....                | 1     | Highway robbery .....           | 1   |
| Attempt to break and enter...  | 6     | Hunting without a license....   | 1   |
| Bastardy .....                 | 18    | Idle and disorderly.....        | 18  |
| Being present where gaming     |       | Insane .....                    | 9   |
| implements were found.....     | 10    | Illegal transportation .....    | 20  |
| Breaking and entering.....     | 100   | Illegal sale of liquor.....     | 6   |
| Breaking glass .....           | 8     | Injury to a fence.....          | 1   |
| Breaking street lamps.....     | 15    | Injury to county building....   | 1   |
| Breaking and entering a rail-  |       | Keeping liquor with intent to   |     |
| road car .....                 | 1     | sell .....                      | 4   |
| Bathing in nude condition ...  | 9     | Keeping unlicensed dog.....     | 8   |
| Capias .....                   | 74    | Keeping shop open on the        |     |
| Common drunkards .....         | 60    | Lord's Day .....                | 2   |
| Carrying concealed weapon...   | 18    | Keeping place resorted to       |     |
| Conspiracy .....               | 2     | for gaming .....                | 1   |
| Conveying leased property....  | 1     | Keeping junk shop without       |     |
| Concealing mortgaged property  | 6     | license .....                   | 2   |
| Cruelty to animals.....        | 4     | Liquor nuisance .....           | 5   |
| Collecting junk on holiday.... | 1     | Larceny .....                   | 255 |
| Concealing death of child..... | 1     | Larceny from building.....      | 2   |
| Contempt of court.....         | 7     | Lewd and lascivious.....        | 23  |
| Default warrants .....         | 21    | Larceny from person.....        | 8   |
| Disturbing the peace.....      | 223   | Loitering .....                 | 9   |
| Disorderly conduct .....       | 5     | Making false alarm of fire....  | 7   |
| Drunkenness .....              | 1,714 | Malicious mischief .....        | 21  |
| Disturbance on street car....  | 10    | Murder .....                    | 2   |
| Discharging firearms .....     | 2     | Manslaughter .....              | 10  |
| Desertion .....                | 2     | Malicious injury to real estate | 22  |



|  |     |   |     |
|--|-----|---|-----|
| Murder accessory after the fact                          | 4   | Selling goods with illegal measure .....            | 9   |
| Not posting cigarette sign....                           | 3   | Selling cigarettes to minor....                     | 1   |
| Not confining vicious dog.....                           | 2   | Selling to minor.....                               | 1   |
| Non-support .....  | 201 | Treating contemptuously the United States flag..... | 1   |
| Neglected children .....                                 | 48  | Threatening .....                                   | 12  |
| Neglect to send child to school                          | 2   | Truants .....                                       | 2   |
| Neglect of wife.....                                     | 1   | Trespass .....                                      | 231 |
| Obstructing a milk inspector..                           | 1   | Tramps .....  | 9   |
| Operating automobile while under the influence of liquor | 2   | Throwing missiles in the street                     | 18  |
| Obstructing a police officer....                         | 1   | Unnatural act .....                                 | 1   |
| Obstructing a street car.....                            | 9   | Unlawfully appropriating a team .....               | 1   |
| Promoting lottery .....                                  | 3   | Unlawful use of milk cans....                       | 2   |
| Peddling without a license....                           | 19  | Violation of the automobile laws .....              | 158 |
| Profanity .....  | 4   | Vagabond .....                                      | 5   |
| Present where gaming implements were found.....          | 9   | Vagrants .....                                      | 14  |
| Peddling jewelry .....                                   | 4   | Violation of city ordinances...                     | 60  |
| Riding on freight train.....                             | 5   | Violation of milk law.....                          | 13  |
| Receiving stolen goods.....                              | 13  | Violation of terms of probation                     | 143 |
| Runaways .....   | 9   | Violation of park rules.....                        | 21  |
| Robbery .....  | 6   | Violation rules of the Board of Health .....        | 8   |
| Rape .....   | 10  | Violation of food laws.....                         | 11  |
| Receiving bonus from workmen .....                       | 1   | Violation traffic laws of Boston                    | 18  |
| Selling a horse afflicted with glanders .....            | 1   | Violation of the Lord's Day...                      | 10  |
| Safe keeping .....                                       | 56  | Walking on the railroad track                       | 20  |
| Stubborn child .....                                     | 40  | Witnesses .....                                     | 2   |
| Stealing a ride.....                                     | 2   | Violation of the liquor laws...                     | 5   |
| Suspicious persons .....                                 | 18  | Violation of the school regulations .....           | 1   |
| Surrender on bail.....                                   | 1   |   |     |

## NATIVITY OF PRISONERS

|                   |     |                            |       |
|-------------------|-----|----------------------------|-------|
| Azores .....      | 5   | Ireland .....              | 649   |
| Austria .....     | 7   | Italy .....                | 107   |
| Armenia .....     | 4   | New Brunswick .....        | 58    |
| Belgium .....     | 1   | Nova Scotia .....          | 123   |
| Barbadoes .....   | 2   | Newfoundland .....         | 38    |
| Bohemia .....     | 1   | Poland .....               | 68    |
| Brazil .....      | 1   | Portugal .....             | 36    |
| Canada .....      | 65  | Prince Edward Island ..... | 64    |
| Cuba .....        | 1   | Russia .....               | 360   |
| Cape Breton ..... | 2   | Switzerland .....          | 1     |
| England .....     | 79  | South America .....        | 1     |
| East Indies ..... | 3   | Scotland .....             | 38    |
| Finland .....     | 5   | Sweden .....               | 60    |
| Greece .....      | 16  | Syria .....                | 1     |
| Germany .....     | 17  | Turkey .....               | 14    |
| Holland .....     | 3   | United States .....        | 2,683 |
| Hungary .....     | 6   | West Indies .....          | 23    |
| India .....       | 1   | South Wales .....          | 1     |
| Norway .....      | 5   |                            |       |
| New Zealand ..... | 1   |                            |       |
|                   |     |                            | 4325  |
|                   |     |                            | 225   |
|                   | 225 |                            | 4,550 |



## OCCUPATION OF PRISONERS

|                             |     |                           |     |
|-----------------------------|-----|---------------------------|-----|
| Actors .....                | 2   | Curtain maker .....       | 1   |
| Artists .....               | 3   | Domestics .....           | 41  |
| Agents .....                | 16  | Draughtman .....          | 1   |
| Automobile dealers .....    | 5   | Dressmakers .....         | 3   |
| Automobile repairer .....   | 15  | Dyers .....               | 2   |
| Automobile salesmen .....   | 2   | Druggists .....           | 5   |
| Architects .....            | 1   | Drummers .....            | 4   |
| Butchers .....              | 11  | Drug clerks .....         | 5   |
| Brakemen .....              | 11  | Dentist .....             | 1   |
| Bakers .....                | 40  | Decorators .....          | 3   |
| Bartenders .....            | 3   | Engineers .....           | 23  |
| Basket-maker .....          | 1   | Electricians .....        | 18  |
| Bookkeepers .....           | 2   | Expressmen .....          | 29  |
| Bridge builder .....        | 1   | Elevator operators .....  | 7   |
| Brass workers .....         | 11  | Elevator repairer .....   | 1   |
| Brick maker .....           | 1   | Errand boys .....         | 15  |
| Brokers .....               | 3   | Firemen .....             | 18  |
| Brick layers .....          | 15  | Foundryman .....          | 1   |
| Barrel dealer .....         | 1   | Foremen .....             | 16  |
| Bookbinders .....           | 11  | Floor layer .....         | 1   |
| Boot maker .....            | 1   | Farmers .....             | 22  |
| Brush makers .....          | 2   | Furniture movers .....    | 4   |
| Box makers .....            | 8   | Florists .....            | 6   |
| Blacksmiths .....           | 25  | Furnishing business ..... | 1   |
| Building constructors ..... | 2   | Furniture finisher .....  | 1   |
| Building mover .....        | 1   | Fish dealer .....         | 1   |
| Boiler makers .....         | 9   | Galvnizer .....           | 1   |
| Barbers .....               | 26  | Gas fitters .....         | 2   |
| Bootblacks .....            | 2   | Gilder .....              | 1   |
| Clerks .....                | 81  | Gardener .....            | 25  |
| Chauffeurs .....            | 77  | Grocers .....             | 13  |
| Caterer .....               | 1   | Guide .....               | 1   |
| Contractors .....           | 5   | Glass workers .....       | 5   |
| Coachmen .....              | 4   | Glaziers .....            | 6   |
| Core makers .....           | 6   | Housekeepers .....        | 196 |
| Coopers .....               | 10  | Horse clippers .....      | 2   |
| Coppersmiths .....          | 3   | Hostlers .....            | 17  |
| Cabinet-makers .....        | 11  | Hod carriers .....        | 3   |
| Chore-man .....             | 1   | Horse shoers .....        | 9   |
| Cornice maker .....         | 1   | Harness makers .....      | 2   |
| Collectors .....            | 6   | Instructor .....          | 1   |
| Currier .....               | 1   | Iron workers .....        | 49  |
| Coat-makers .....           | 3   | Ice men .....             | 4   |
| Concrete workers .....      | 1   | Inventor .....            | 1   |
| Carpenters .....            | 103 | Inspectors .....          | 5   |
| Clergyman .....             | 1   | Junk collectors .....     | 27  |
| Cigar makers .....          | 4   | Janitors .....            | 15  |
| Chef .....                  | 1   | Jeweler .....             | 1   |
| Conductors .....            | 18  | Lumbermen .....           | 8   |
| Chorus girl .....           | 1   | Lineman .....             | 1   |
| Cooks .....                 | 15  | Longshoremen .....        | 12  |
| Casket-maker .....          | 1   | Lathers .....             | 13  |
| Candy makers .....          | 20  | Laundrymen .....          | 5   |
| Corset-maker .....          | 1   | Laundresses .....         | 10  |
| Carriage makers .....       | 5   | Lawyers .....             | 2   |

|                            |       |                           |       |
|----------------------------|-------|---------------------------|-------|
| Laborers .....             | 1,276 | Real estate .....         | 3     |
| Musicians .....            | 6     | Rubber workers .....      | 77    |
| Masons .....               | 6     | Restaurant keepers .....  | 2     |
| Matron .....               | 1     | Rigger .....              | 1     |
| Mattress makers .....      | 2     | Roofers .....             | 8     |
| Milkmen .....              | 11    | Reporters .....           | 2     |
| Manufacturers .....        | 11    | Soldiers .....            | 1     |
| Meat cutters .....         | 11    | Sailors .....             | 24    |
| Moulders .....             | 13    | Screen maker .....        | 1     |
| Machinists .....           | 87    | Salesmen .....            | 58    |
| Mill hands .....           | 9     | Surveyors .....           | 4     |
| Managers .....             | 12    | Students .....            | 43    |
| Motormen .....             | 8     | Second hand dealers.....  | 2     |
| Mule spinner .....         | 1     | Stenographers .....       | 3     |
| Metal workers .....        | 2     | Steward .....             | 1     |
| Merchants .....            | 8     | Stone cutters .....       | 13    |
| Messengers .....           | 6     | Shoemakers .....          | 24    |
| Nurse .....                | 1     | Steam-fitters .....       | 22    |
| Newsboys .....             | 7     | Storekeepers .....        | 33    |
| No occupation .....        | 292   | School children .....     | 209   |
| Organ maker .....          | 1     | Stevedors .....           | 2     |
| Office boys .....          | 6     | Shippers .....            | 17    |
| Office worker .....        | 1     | Shop girls .....          | 4     |
| Publisher .....            | 1     | Teamsters .....           | 495   |
| Packers .....              | 4     | Telephone operators ..... | 3     |
| Porters .....              | 17    | Teachers .....            | 2     |
| Pile-drivers .....         | 2     | Tinsmiths .....           | 5     |
| Peddlers .....             | 62    | Tailors .....             | 11    |
| Pattern-makers .....       | 3     | Tailoresses .....         | 2     |
| Painters .....             | 119   | Tool makers .....         | 6     |
| Paper hangers .....        | 2     | Upholsterers .....        | 6     |
| Plumbers .....             | 22    | Undertakers .....         | 2     |
| Printers .....             | 35    | Veterinaries .....        | 6     |
| Polishers .....            | 6     | Waiters .....             | 11    |
| Paper-maker .....          | 1     | Wire workers .....        | 35    |
| Photographer .....         | 1     | Wood workers .....        | 19    |
| Pressmen .....             | 6     | Waitresses .....          | 7     |
| Plasterers .....           | 13    | Watchmen .....            | 4     |
| Provision dealers*** ..... | 5     | Wool pullers .....        | 4     |
| Piano makers .....         | 13    | Window cleaner .....      | 1     |
| Pavers .....               | 3     | Washwoman .....           | 1     |
| Physicians .....           | 4     |                           |       |
|                            |       | Total .....               | 4,550 |

## MISCELLANEOUS BUSINESS

|                                |       |                                 |       |
|--------------------------------|-------|---------------------------------|-------|
| Accidents .....                | 600   | Defective gas pipes.....        | 13    |
| Buildings found open .....     | 424   | Defective water pipes.....      | 200   |
| Cases investigated .....       | 4,667 | Defective hydrants .....        | 57    |
| Dangerous buildings .....      | 6     | Defective lamps .....           | 2,281 |
| Dangerous chimneys .....       | 2     | Defective wires .....           | 86    |
| Dead bodies found.....         | 31    | Defective streets and sidewalks | 1,179 |
| Defective catch basins.....    | 105   | Trees .....                     | 31    |
| Defective drain .....          | 1     | Poles .....                     | 5     |
| Defective fire alarm boxes.... | 13    | Disturbances suppressed .....   | 150   |

|                             |     |                                |     |
|-----------------------------|-----|--------------------------------|-----|
| Dogs killed .....           | 23  | Sick and injured persons as-   |     |
| Fire alarms given.....      | 12  | sisted .....                   | 373 |
| Fires extinguished without  |     | Strayed teams put up.....      | 54  |
| alarm .....                 | 58  | Street obstructions removal... | 1   |
| Lost children restored..... | 286 | Water running to waste.....    | 29  |

EXTRA MONEY RECEIVED BY OFFICERS FOR EXTRA  
WORKS: \$3,556.00.

INSPECTOR'S BUREAU

|   |             |
|---|-------------|
| Property reported lost or stolen.....                               | \$11,025 00 |
| Property recovered. ....  | 13,268 00   |
| Cases investigated .....  | 717         |
| Civil and Board of Health cases investigated.....                   | 302         |
| Arrests made by inspectors .....                                    | 142         |
| Cases pending .....   | 8           |
| Cases dismissed by court or for want of prosecution.....            | 29          |
| Arrests of fugitives from justice for other Police Departments..... | 26          |
| Convictions .....   | 79          |

SIGNAL SYSTEM

|                                  |         |
|----------------------------------|---------|
| Duty calls by officers .....     | 521,585 |
| Telephone calls from boxes ..... | 49,640  |
| Wagon calls .....                | 2,168   |
| Miles run .....                  | 4,062   |
| To fires .....                   |         |
| To hospital .....                |         |

AMBULANCE

Emergency, accident and sickness calls, of which 127 were sick persons removed to hospitals by request of the Overseers of the Poor.



# CITY PROPERTY IN USE BY THE POLICE DIVISION OF DEPARTMENT OF PUBLIC SAFETY

|   |          |   |          |
|---|----------|---|----------|
| 18 roll-top desks .....                         | \$210 00 | 5 ice water tanks.....                        | \$35 00  |
| 10 tables .....                                 | 20 00    | 15 ink stands .....                           | 5 00     |
| 4 settees .....                                 | 4 00     | 1 operating table and chair                   | 25 00    |
| 4 rugs .....                                    | 10 00    | 12 mirrors .....                              | 10 00    |
| 4 medicine cabinets .....                       | 20 00    | 5 grappling irons .....                       | 5 00     |
| 3 book cases .....                              | 15 00    | 2 American flags .....                        | 25 00    |
| 3 wardrobes .....                               | 15 00    | 25 cuspidors .....                            | 10 00    |
| 4 umbrella stands .....                         | 2 00     | 2 couches .....                               | 10 00    |
| 4 directories .....                             | 20 00    | 1 camera stand .....                          | 2 00     |
| 2 safes .....                                   | 50 00    | 1 Bertillon book .....                        | 1 00     |
| 1 camera .....                                  | 85 00    | 1 finger print book.....                      | 1 00     |
| 2 washing boxes, trays,<br>and graduates .....  | 6 00     | 1 rogues' gallery .....                       | 50 00    |
| 1 letter scale .....                            | 1 00     | 1 typewriter .....                            | 125 00   |
| 1 card index .....                              | 50 00    | 4 maps .....                                  | 1 00     |
| 1 copy press .....                              | 5 00     | 13 beds and clothing.....                     | 150 00   |
| 6 fire ropes .....                              | 5 00     | 11 pairs of handcuffs.....                    | 25 00    |
| 6 oil cans .....                                | 2 50     | 1 pair of leg irons.....                      | 5 00     |
| 3 wagons at \$350 00.....                       | 1,050 00 | 1 van .....                                   | 100 00   |
| 1 old wagon .....                               | 50 00    | 5 horses .....                                | 1,000 00 |
| 1 ambulance .....                               | 50 00    | 1 extra collar .....                          | 5 00     |
| 6 harnesses .....                               | 60 00    | 25 galv. cans .....                           | 20 00    |
| 5 horse blankets .....                          | 25 00    | 9 pails .....                                 | 3 00     |
| 6 stable forks .....                            | 6 00     | 3 wagon jacks .....                           | 3 00     |
| 3 shovels .....                                 | 1 50     | 100 feet rubber hose.....                     | 7 50     |
| 3 grain chests .....                            | 15 00    | 5 sets of law books.....                      | 60 00    |
| 5 horse brushes and combs                       | 2 00     | 159 police belts .....                        | 109 00   |
| 1 dictionary .....                              | 4 00     | 159 diaries .....                             |          |
| 1 private telephone .....                       | 200 00   | 159 books of rules and regu-<br>lations ..... | 118 00   |
| 159 revolvers .....                             | 1,159 00 | 27 lanterns .....                             | 8 50     |
| 159 badges .....                                | 47 00    | 1 saddle .....                                | 10 00    |
| 3 straight jackets and 8<br>waste baskets ..... | 8 00     | 2 electric desk lamps.....                    | 5 00     |
| 60 chairs .....                                 | 60 00    | 220 keys (police and fire)..                  | 22 00    |
| 9 clocks .....                                  | 50 00    | 4 harness hangers .....                       | 48 00    |
| 3 bicycles .....                                | 60 00    | 2 motorcycles .....                           | 400 00   |
|   |          | <hr/>   |          |
|   |          | \$4,772 00                                    |          |

# NUMBER OF DAYS OF ABSENCE FROM DUTY FOR CAUSES AS SET FORTH BELOW

|                          | Sick, Half Pay<br>Allowed | Sick, No Pay<br>Allowed | Absent With<br>Leave, No Pay<br>Allowed | Time Allowed for<br>Death in Family | Vacation | Two Days in<br>Every Thirty<br>Allowed by Law,<br>Without Loss of<br>Pay |
|--------------------------|---------------------------|-------------------------|---|-------------------------------------|----------|--|
| <i>Sergeants</i>         |                           |                         |   |                                     |          |  |
| Aberle, Charles F.....   | 1                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Aylward, Richard H...    | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Canney, John J.....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Ellis, Frederick M....   | 35                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Leahy, Timothy F.....    | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| McCorry, Joseph F....    | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Robinson, Frederick A.   | 20                        | .....                   | 1                                       | .....                               | 14       | 24   |
| Rowe, Thomas P.....      | 10                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Welch, Edward J.....     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| White, Orrin B.....      | 3                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Winslow, John E.....     | 10                        | .....                   | .....                                   | .....                               | 14       | 24   |
| <i>Patrolmen</i>         |                           |                         |   |                                     |          |  |
| Aberle, William H....    | 41                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Ackerly, John M.....     | 2                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Andrew, Frank .....      | 2                         | .....                   | 3                                       | 3                                   | 14       | 24   |
| Andrew, William M...     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Bagan, John H.....       | 1                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Barrington, George T.    | 29                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Biggane, William F...    | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Blen, Elbridge S.....    | .....                     | .....                   | 1                                       | .....                               | 14       | 24   |
| Bradley, Charles E....   | 33                        | .....                   | 4                                       | 3                                   | 14       | 24   |
| Burke, Thomas F.....     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Cahalane, John .....     | .....                     | .....                   | 1                                       | .....                               | ..       | 10   |
| Canney, Daniel F.....    | 2                         | .....                   | 1                                       | .....                               | 14       | 24   |
| Campbell, Thomas M..     | 22                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Coady, Thomas F.....     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Collins, Frederick V..   | 37                        | .....                   | 1                                       | .....                               | 14       | 24   |
| Comerford, Edward J.     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Conlan, Andrew .....     | 3                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Corcoran, Timothy ...    | 4                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Crane, Timothy .....     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Culhane, Robert G....    | 1                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Cummings, John F....     | 6                         | .....                   | 14                                      | .....                               | 14       | 24   |
| Curtin, Patrick J.....   | .....                     | .....                   | 2                                       | .....                               | 14       | 24   |
| Curtin, William A....    | 20                        | .....                   | 1                                       | .....                               | 14       | 24   |
| Davis, Harry W.....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Dempsey, Lawrence P.     | 7                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Diehl, Anton B.....      | 3                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Doherty, Joseph F....    | 3                         | .....                   | 2                                       | .....                               | 14       | 24   |
| Donahue, Joseph J....    | 23                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Douglass, Robert J., Jr. | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Doyle, Patrick .....     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Dunlea, Patrick F....    | .....                     | .....                   | 1                                       | .....                               | 14       | 24   |
| Dwyer, Edward E.....     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |

## NUMBER OF DAYS OF ABSENCE OF OFFICERS FROM DUTY—Continued

|                            | Sick, Half Pay<br>Allowed | Sick, No Pay<br>Allowed | Absent With<br>Leave, No Pay<br>Allowed | Time Allowed for<br>Death in Family | Vacation | Two Days in<br>Every Thirty<br>Allowed by Law,<br>Without Loss of<br>Pay |
|----------------------------|---------------------------|-------------------------|---|-------------------------------------|----------|--|
| <i>Patrolmen—Continued</i> |                           |                         |   |                                     |          |  |
| Dynan, Anthony .....       | 6                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Fabry, Frank J.....        | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Furbush, Joseph H...       | 60                        | 60                      | .....                                   | .....                               | 14       | 24   |
| Gallagher, Jeremiah J.     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Gavin, Lochlin .....       | 9                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Ginty, William B.....      | .....                     | .....                   | .....                                   | 6                                   | 14       | 24   |
| Gordon, Edward C....       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Griffith, John J.....      | 5                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Guthrie, John J.....       | .....                     | .....                   | 2                                       | .....                               | 14       | 24   |
| Gutoski, Frank H.....      | 2                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Hackett, Mortimer M..      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Heely, Patrick J.....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Henry, Frank S.....        | 3                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Hezlett, John A.....       | 49                        | .....                   | 4                                       | 3                                   | 14       | 24   |
| Higgins, Benjamin F..      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Hill, William H.....       | 20                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Holt, James H. H.....      | 2                         | .....                   | .....                                   | 3                                   | 14       | 24   |
| Horgan, Daniel J.....      | 32                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Horrigan, Edward F..       | .....                     | .....                   | .....                                   | .....                               | 14       | 8  |
| Humphrys, William J.       | .....                     | .....                   | 1                                       | .....                               | 14       | 24   |
| Ireland, Jerome D....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Kearns, Thomas P....       | 31                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Kelleher, John .....       | 14                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Kelly, John W.....         | 2                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Kelly, Joseph .....        | 39                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Kelley, Michael J.....     | 129                       | .....                   | .....                                   | .....                               | 14       | 24   |
| LaMarche, Frank D...       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Largenton, Augustus J.     | 1                         | .....                   | 4                                       | .....                               | 14       | 24   |
| Law, Frederick W....       | 4                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Leahy, Dennis F.....       | 36                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Lynch, David E.....        | 3                         | .....                   | 1                                       | .....                               | 14       | 24   |
| Landrigan, James M..       | 1                         | .....                   | 1                                       | .....                               | 14       | 24   |
| Mahoney, George J....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Maloy, John P.....         | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| McCabe, Edward J....       | 60                        | 11                      | .....                                   | .....                               | 14       | 24   |
| McCaffrey, Bernard J..     | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| McCann, Charles J....      | 1                         | .....                   | .....                                   | .....                               | 14       | 24   |
| McCarthy, Jeremiah H.      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| McCrehan, John E....       | .....                     | .....                   | 2                                       | .....                               | 14       | 24   |
| McFadden, Richard M.       | 24                        | .....                   | .....                                   | .....                               | 14       | 24   |
| McKeown, William F..       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| McCulloch, Joseph A..      | .....                     | .....                   | .....                                   | 3                                   | 14       | 24   |
| McLaughlin, Francis A.     | 1                         | .....                   | .....                                   | .....                               | 14       | 24   |
| McMahon, Michael ...       | 8                         | .....                   | .....                                   | .....                               | 14       | 24   |
| McNamara, Patrick H.       | 2                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Mello, Manuel G.....       | 1                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Moylan, Patrick E....      | 40                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Mulalley, John T.....      | 12                        | .....                   | .....                                   | .....                               | 14       | 24   |



## NUMBER OF DAYS OF ABSENCE OF OFFICERS FROM DUTY—Continued

|                            | Sick, Half Pay<br>Allowed | Sick, No Pay<br>Allowed | Absent With<br>Leave, No Pay<br>Allowed | Time Allowed for<br>Death in Family | Vacation | Two Days in<br>Every Thirty<br>Allowed by Law,<br>Without Loss of<br>Pay |
|----------------------------|---------------------------|-------------------------|---|-------------------------------------|----------|--|
| <i>Patrolmen—Concluded</i> |                           |                         |   |                                     |          |  |
| Mullen, Robert E.....      | .....                     | .....                   | 1                                       | .....                               | 14       | 24   |
| Mullins, William N....     | 54                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Mulvaney, Simon J....      | 9                         | .....                   | 1                                       | .....                               | 14       | 24   |
| Murphy, Peter J.....       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Mulqueeny, John P....      | 22                        | .....                   | .....                                   | 2                                   | 14       | 24   |
| Neilan, John P.....        | 53                        | .....                   | .....                                   | .....                               | 14       | 24   |
| O'Brien, John J.....       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| O'Connell, Charles P..     | 9                         | .....                   | 1                                       | .....                               | 14       | 24   |
| O'Dell, William L....      | 14                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Parks, Joseph W.....       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Patten, George A.....      | 60                        | 18                      | .....                                   | .....                               | 14       | 24   |
| Powers, John F.....        | .....                     | .....                   | 1                                       | .....                               | 14       | 24   |
| Presho, Charles H....      | 5                         | .....                   | 3                                       | .....                               | 14       | 24   |
| Regan, James F.....        | 60                        | 1                       | .....                                   | .....                               | 14       | 24   |
| Roberts, John W.....       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Robertson, William H.      | 40                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Rowe, William H.....       | 19                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Russell, James D.....      | 55                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Scully, Benjamin C....     | 45                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Shannon, Joseph H....      | .....                     | .....                   | .....                                   | 3                                   | 14       | 24   |
| Shannon, Thomas J....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Shea, Thomas .....         | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Sheehan, Cornelius ..      | 2                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Sheehan, John J.....       | 25                        | .....                   | .....                                   | .....                               | 14       | 24   |
| Stokes, John F.....        | 3                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Sullivan, Cornelius ...    | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Sullivan, Eugene ....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Tansey, Joseph F.....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Temple, Joseph C....       | 6                         | .....                   | .....                                   | .....                               | 14       | 24   |
| Tevlin, John J.....        | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Walsh, David H.....        | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Walsh, David L.....        | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Walsh, John .....          | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Wyman, Charles W....       | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |

*Reserve Officers*

|                       |       |       |       |       |    |    |
|-----------------------|-------|-------|-------|-------|----|----|
| Harney, William H...  | ..... | ..... | ..... | ..... | 14 | 24 |
| Mullin, William T.... | 4     | ..... | 1     | ..... | 14 | 24 |
| McCool, William M...  | ..... | ..... | ..... | ..... | 14 | 24 |
| Bourget, Joseph A.... | 2     | ..... | 1     | ..... | 14 | 24 |
| Flynn, William .....  | ..... | ..... | ..... | ..... | 14 | 24 |
| Hennessy, James V...  | ..... | ..... | ..... | ..... | .. | .. |
| Turcotte Amos .....   | 1     | ..... | ..... | ..... | 14 | 24 |
| Harney, Thomas M...   | ..... | ..... | ..... | ..... | 14 | 24 |
| Normile, Michael C... | ..... | ..... | ..... | ..... | 14 | 24 |
| Doyle, Charles F..... | 1     | ..... | ..... | ..... | 14 | 24 |

## NUMBER OF DAYS OF ABSENCE OF OFFICERS FROM DUTY—Concluded

|                            | Sick, Half Pay<br>Allowed | Sick, No Pay<br>Allowed | Absent With<br>Leave, No Pay<br>Allowed | Time Allowed for<br>Death in Family | Vacation | Two Days in<br>Every Thirty<br>Allowed by Law,<br>Without Loss of<br>Pay |
|----------------------------|---------------------------|-------------------------|---|-------------------------------------|----------|--|
| <i>Patrolmen—Concluded</i> |                           |                         |   |                                     |          |  |
| O'Brien, Dennis W....      | .....                     | .....                   | .....                                   | .....                               | 14       | 24   |
| Murray, Richard A....      | .....                     | .....                   | .....                                   | .....                               | 7        | 17   |
| McCullogh, Frank C..       | .....                     | .....                   | .....                                   | .....                               | 7        | 18   |
| Riley, Thomas J.....       | 19                        | .....                   | .....                                   | .....                               | 7        | 18   |
| Stokes, Thomas J.....      | 1                         | .....                   | .....                                   | .....                               | 7        | 14   |
| Regan, William F....       | .....                     | .....                   | .....                                   | .....                               | ..       | ..   |
| Falvey, John H.....        | .....                     | .....                   | .....                                   | .....                               | 4        | ..   |

# FIRE DIVISION

## ROSTER OF THE FIRE DIVISION

April 1, 1914

### CHIEFS

| Name                      | Rank             | Age | Residence         |
|---------------------------|------------------|-----|-------------------|
| Nathaniel W. Bunker ..... | Chief .....      | 70  | 5 Ashton Place.   |
| James M. Casey.....       | Deputy Chief ... | 49  | 353 Huron Avenue. |

### CHIEF'S AID

| No. of<br>Badge | Name                   | Rank             | Age | Residence     |
|-----------------|------------------------|------------------|-----|---------------|
| 1               | William J. Atkinson... | Lieutenant ..... | 39  | 5 Yerxa Road. |

### ENGINE CO. NO. 1

First size Amoskeag engine drawn by three horses, capacity 900 gallons a minute; has been in service since 1883. New boiler, 1912. Hose wagon drawn by two horses, with 800 feet of hose.

| No. of<br>Badge | Name                    | Rank              | Age | Residence               |
|-----------------|-------------------------|-------------------|-----|-------------------------|
| 5               | Daniel E. Shea.....     | Captain .....     | 57  | 65 Putnam Avenue.       |
| 131             | Richard J. Doyle.....   | Lieutenant .....  | 38  | 104 Fayerweather Street |
| 63              | Thomas H. McCourt...    | Engineman .....   | 43  | 59 Rindge Avenue.       |
| 39              | Jeremiah O'Connor ....  | Asst. Engineer .. | 55  | 2 Olive Place.          |
| 4               | Hiram W. Hooker.....    | Private .....     | 36  | 45 Fayette Street.      |
| 87              | James H. Sullivan.....  | Private .....     | 31  | 22 Brookford Street.    |
| 56              | Thomas A. Haley.....    | Private .....     | 34  | 19 Rice Street.         |
| 135             | Bernard J. Coakley....  | Private .....     | 39  | 41 Olive Place.         |
| 13              | Joseph J. Corcoran..... | Callman .....     | 54  | 31 Ash Street.          |



## ENGINE CO. NO. 2

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1891. New boiler, 1908. Hose wagon drawn by two horses, with 800 feet of hose.

| No. of Badge | Name                    | Rank             | Age | Residence            |
|--------------|-------------------------|------------------|-----|----------------------|
| 110          | William F. Newman....   | Captain .....    | 68  | Deceased.            |
| 14           | Daniel E. Powers.....   | Lieutenant ..... | 54  | 19 Park Street.      |
| 2            | Charles A. Cairns.....  | Engineman .....  | 47  | 384 Mass. Avenue.    |
| 100          | James J. Clifford.....  | Asst. Engineman  | 42  | 452 Huron Avenue.    |
| 84           | Thomas H. Anderson...   | Private .....    | 33  | 19 Watson Street.    |
| 33           | William J. Connors....  | Private .....    | 35  | 228 Webster Avenue.  |
| 68           | Emerill R. Beucher....  | Private .....    | 26  | 137 Columbia Street. |
| 36           | Frank Foster .....      | Private .....    | 25  | 349 Norfolk Street.  |
| 20           | John J. Balfe.....      | Callman .....    | 42  | 377 Norfolk Street.  |
| 22           | Charles H. Cutting..... | Callman .....    | 62  | 1 Pine Street.       |
| 71           | James P. Welch.....     | Callman .....    | 50  | 92 Columbia Street.  |
| 80           | Joseph A. Wood.....     | Callman .....    | 52  | 107 School Street.   |

## ENGINE CO. NO. 3

First size Amoskeag engine, drawn by three horses; capacity, 900 gallons a minute; has been in service since 1891. New boiler, 1905. Hose wagon drawn by two horses, with 800 feet of hose.

| No. of Badge | Name                     | Rank             | Age | Residence              |
|--------------|--------------------------|------------------|-----|------------------------|
| 27           | Frank McGrath .....      | Captain .....    | 49  | 39 Hunting Street.     |
| 30           | William F. Newman....    | Lieutenant ..... | 44  | 29 Rindgefield Street. |
| 18           | William Reilly .....     | Engineman .....  | 43  | 300 Prospect Street.   |
| 77           | Dennis R. Sullivan.....  | Asst. Engineman  | 42  | 35 Harvard Street      |
| 120          | Daniel J. Holleran.....  | Private .....    | 41  | 19 Oak Street.         |
| 19           | Cornelius O'Connell .... | Private .....    | 28  | 41 Fourth Street.      |
| 3            | Edward F. Looney.....    | Private .....    | 37  | 15 Marney Street.      |
| 35           | Charles F. O'Connor....  | Private .....    | 24  | 13 Palermo Street.     |
| 31           | Walter Baker .....       | Callman .....    | 62  | 35 Antrim Street.      |
| 34           | Charles H. Leddy.....    | Callman .....    | 53  | 57 Antrim Street.      |
| 37           | Joseph King .....        | Callman .....    | 37  | 49 Third Street.       |
| 59           | George W. Stevens ....   | Callman .....    | 47  | 135 Antrim Street.     |
| 23           | Thomas J. Conroy.....    | Callman .....    | 39  | 16 Hardwick Street.    |

## ENGINE CO. NO. 4

Third size Amoskeag engine, drawn by two horses; capacity, 550 gallons a minute; has been in service since 1895. New boiler, 1904. Hose wagon drawn by two horses, with 900 feet of hose.

| No. of Badge | Name                     | Rank             | Age | Residence            |
|--------------|--------------------------|------------------|-----|----------------------|
| 86           | Cutter L. Vose.....      | Captain .....    | 45  | 51 Prentiss Street.  |
| 119          | Walter E. Chapman...     | Lieutenant ..... | 46  | 73 Porter Road.      |
| 42           | John T. Henderson....    | Engineman .....  | 44  | 10 Yerxa Road.       |
| 24           | James A. S. Drinkwater.. | Asst. Engineman  | 41  | 1 Coolidge Place.    |
| 57           | Frank J. Murray.....     | Private .....    | 35  | 4 Pemberton Terrace. |
| 32           | Hugh J. Powers.....      | Private .....    | 27  | 232 Norfolk Street.  |
| 25           | Walter L. Allen.....     | Private .....    | 34  | 20 Crescent Street.  |
| 10           | William J. Coyne.....    | Private .....    | 34  | 220 Elm Street.      |
| 45           | George F. Dargin.....    | Callman .....    | 46  | 171 Sherman Street.  |
| 47           | William F. Henderson.    | Callman .....    | 49  | 10 Allen Street.     |

## ENGINE CO. NO. 5

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1870. New boiler, 1914. Hose wagon drawn by two horses, with 800 feet of hose.

| No. of Badge | Name                   | Rank             | Age | Residence              |
|--------------|------------------------|------------------|-----|------------------------|
| 51           | Peter F. McSorley..... | Captain .....    | 54  | 1431 Cambridge Street. |
| 44           | Richmond M. Burke...   | Lieutenant ..... | 44  | 22 Hadley Street.      |
| 53           | George L. Church.....  | Engineman .....  | 35  | 1293 Cambridge Street  |
| 12           | Wm. J. McCusker.....   | Asst. Engineman  | 38  | 10 Pleasant Street.    |
| 134          | Charles P. Hooker..... | Private .....    | 69  | 45 Fayette Street.     |
| 52           | Timothy McCarthy ...   | Private .....    | 39  | 1269 Cambridge Street. |
| 125          | Arthur L. Marshall.... | Private .....    | 30  | 87 Hammond Street.     |
| 43           | William Beck .....     | Private .....    | 30  | 234 Webster Avenue.    |
| 73           | William J. Doyle.....  | Private .....    | 41  | 1355 Cambridge Street. |
| 110          | Mortimer F. Hartney..  | Private .....    | 39  | 163 Brookline Street.  |
| 60           | John F. Downey.....    | Callman .....    | 34  | 341 Columbia Street.   |
| 61           | William G. Johnson...  | Callman .....    | 52  | 14 Springfield Street. |

## ENGINE CO. NO. 6

Second size Amoskeag engine, drawn by two horses; capacity, 700 gallons a minute; has been in service since 1873. New boiler, 1907. Hose wagon drawn by two horses, with 800 feet of hose.

| No. of Badge | Name                    | Rank             | Age | Residence           |
|--------------|-------------------------|------------------|-----|---------------------|
| 126          | Lewis C. Clark.....     | Captain .....    | 68  | 264 Green Street.   |
| 66           | Herman E. Guthim.....   | Lieutenant ..... | 37  | 460 Huron Avenue.   |
| 62           | J. Lewis Howe.....      | Engineman .....  | 62  | 189 Western Avenue. |
| 6            | Thos. H. Drummond...    | Asst. Engineman  | 46  | 270 Green Street.   |
| 65           | Warren A. Dale.....     | Private .....    | 41  | 104 Otis Street.    |
| 118          | Wm. H. C. Acford.....   | Private .....    | 28  | 14 Carlisle Street. |
| 69           | Wm. F. Campbell.....    | Private .....    | 32  | 25 Decatur Street.  |
| 8            | Louis C. Avery.....     | Private .....    | 35  | 3 Sullivan Place.   |
| 70           | Thomas F. Mullen.....   | Callman .....    | 40  | 140 Pearl Street.   |
| 72           | Charles P. Cox, Jr..... | Callman .....    | 42  | 134 River Street.   |

## ENGINE CO. NO. 7

Second size Amoskeag engine, drawn by three horses; capacity, 700 gallons a minute; has been in service since 1873. New boiler, 1907. Hose wagon drawn by two horses, with 800 feet of hose.

| No. of Badge | Name                  | Rank             | Age | Residence             |
|--------------|-----------------------|------------------|-----|-----------------------|
| 17           | James H. Furfey.....  | Captain .....    | 56  | 59 Prince Street.     |
| 28           | Albert R. Wait.....   | Lieutenant ..... | 42  | 114 Hampshire Street. |
| 29           | Patrick J. Hayes..... | Engineman .....  | 51  | 93 Gove Street.       |
| 83           | Joseph S. Hayes.....  | Asst. Engineman  | 36  | 79 Hampshire Street.  |
| 75           | Leo A. Diehl.....     | Private .....    | 28  | 3 Carlisle Street.    |
| 136          | Otis D. Powers.....   | Private .....    | 25  | 8 Rockingham Street.  |
| 76           | Henry J. O'Brien..... | Private .....    | 38  | 28 York Street.       |
| 15           | Thomas L. Galvin..... | Private .....    | 28  | 346 Norfolk Street.   |
| 82           | Edward Clark .....    | Callman .....    | 48  | 358 Sixth Street.     |
| 85           | James E. Cunha.....   | Callman .....    | 37  | 9 Gardner Street      |



RESERVE ENGINE

Second size Amoskeag engine; has been in service since 1869. New boiler, 1897.

LADDER CO. NO. 1.

Ordinary ladder truck, drawn by three horses, equipped with 469 feet of ladders, the longest ladder 65 feet extension; also equipped with jumping net, life line, etc.; has been in service since 1892.

| No. of<br>Badge | Name                   | Rank             | Age | Residence            |
|-----------------|------------------------|------------------|-----|----------------------|
| 129             | Wm. H. Barrow.....     | Captain .....    | 44  | 106 Fayerweather St. |
| 88              | Wm. J. Anderson.....   | Lieutenant ..... | 42  | 79 Putnam Avenue.    |
| 97              | John F. McPherson....  | Private .....    | 41  | 204 Banks Street.    |
| 38              | Chas. N. Anderson....  | Private .....    | 33  | 585 Green Street.    |
| 67              | Eugene L. O'Keefe....  | Private .....    | 25  | 3 George Street.     |
| 21              | John J. Murphy.....    | Private .....    | 26  | 25 Decatur Street.   |
| 54              | Joseph H. Caldwell.... | Private .....    | 24  | 216 Banks Street.    |
| 93              | John W. Jefferson....  | Callman .....    | 51  | 98 Winthrop Street.  |
| 95              | Thomas J. McGowan..    | Callman .....    | 49  | 17 South Street.     |
| 96              | James F. Rooney.....   | Callman .....    | 44  | 26B Shepard Street.  |

LADDER CO. NO. 2

Combination ladder and chemical truck, drawn by three horses; equipped with 445 feet of ladders; longest ladder, 65 feet extension; two 35 gallons tanks; 200 feet of ¾-inch chemical hose; life line, etc. Put in service, 1902.

| No. of<br>Badge | Name                   | Rank             | Age | Residence             |
|-----------------|------------------------|------------------|-----|-----------------------|
| 128             | John H. Dardis.....    | Captain .....    | 43  | 81 Prospect Street.   |
| 26              | Thos. F. O'Connell.... | Lieutenant ..... | 51  | 24 York Street.       |
| 102             | Charles J. McElroy.... | Private .....    | 34  | 79 Thorndike Street.  |
| 116             | Frank A. Casey.....    | Private .....    | 37  | 17 Marney Street.     |
| 108             | Thomas J. Parks.....   | Private .....    | 36  | 294 Prospect Street.  |
| 107             | Michael Mullen .....   | Private .....    | 38  | 38 Plymouth Street.   |
| 128             | Wm. J. L. Sullivan.... | Private .....    | 34  | 2 Harding Street.     |
| 7               | James H. Newman....    | Private .....    | 24  | 40 Rindge Avenue.     |
| 115             | John J. O'Callahan.... | Private .....    | 43  | 36 Tremont Street.    |
| 50              | Joseph A. McDonald.... | Private .....    | 30  | 79 Hampshire Street.  |
| 106             | Thomas J. Lane.....    | Callman .....    | 48  | 134 Otis Street.      |
| 105             | Jeremiah J. Hayes....  | Callman .....    | 46  | 17 Marney Street.     |
| 91              | Timothy J. Murphy....  | Callman .....    | 36  | 709 Cambridge Street. |

LADDER CO. NO. 3

Hayes 75-foot aerial truck, drawn by three horses; carries 275 feet of ladders, jumping net, life line, etc. Put in service 1894. Hose and Morse nozzle applied for water tower, 1909. Dahill hoist applied 1911.

| No. of<br>Badge | Name                   | Rank             | Age | Residence              |
|-----------------|------------------------|------------------|-----|------------------------|
| 98              | John T. McNamee.....   | Captain .....    | 58  | 151 Magazine Street.   |
| 113             | Wm. C. Richardson....  | Lieutenant ..... | 44  | 76 Antrim Street.      |
| 89              | Benj. McArthur .....   | Private .....    | 39  | 117 Magazine Street.   |
| 117             | Morris A. Skold.....   | Private .....    | 32  | 261 Washington Street. |
| 94              | James H. McCabe.....   | Private .....    | 32  | 247 Hampshire Street.  |
| 104             | Wm. F. McGrath.....    | Private .....    | 29  | 84 Plymouth Street.    |
| 109             | Joseph McCloskey ..... | Private .....    | 37  | 1165 Cambridge Street. |
| 103             | Albert Smith .....     | Callman .....    | 59  | 83 Plymouth Street.    |



## LADDER CO. NO. 4 AND COMBINATION WAGON

Ordinary ladder truck, drawn by two horses; equipped with 340 feet of ladders; longest ladder, 60 feet extension; jumping net, life line, etc. Put in service, 1905. Combination hose and chemical wagon, drawn by two horses; equipped with two 25-gallon tanks; 800 feet of 2½-inch hose, and 200 feet of ¾-inch chemical hose. Put in service, 1905.

| No. of Badge | Name                   | Rank             | Age | Residence              |
|--------------|------------------------|------------------|-----|------------------------|
| 133          | Edward F. Conroy.....  | Captain .....    | 40  | 10 Mt. Auburn Street.  |
| 130          | Timothy Curran .....   | Lieutenant ..... | 43  | 102 Fayerweather St.   |
| 9            | Edward F. Kelley.....  | Private .....    | 30  | 51 Montgomery Street.  |
| 40           | John J. Gibson.....    | Private .....    | 37  | 60 Fairfield Street.   |
| 132          | Matthew F. Gleason.... | Private .....    | 41  | 104 Concord Avenue.    |
| 123          | Francis V. Doyle.....  | Private .....    | 35  | 10 Stearns Street.     |
| 78           | Charles A. Olsen.....  | Private .....    | 43  | 23 Athens Street.      |
| 49           | George E. Lorigan..... | Private .....    | 37  | 59 Rindge Avenue.      |
| 74           | Wm. T. Anderson.....   | Private .....    | 33  | 30 Athens Street.      |
| 79           | John F. Collins.....   | Private .....    | 23  | 2058 Mass. Avenue.     |
| 46           | Joseph T. Vocell.....  | Callman .....    | 47  | 12 Bolton Street.      |
| 122          | Thomas J. King.....    | Callman .....    | 35  | 44 Mt. Pleasant Street |

## RESERVE LADDER TRUCK

Ordinary truck ready for service.

## CHEMICAL ENGINE CO. NO. 1

Champion chemical engine drawn by two horses. Two 60-gallon tanks,

Perkins chemical engine, drawn by three horses. Two 90-gallon tanks; equipped with 200 feet of 2-inch linen hose and 650 feet ¾-inch chemical hose. Has been in service since 1880. Rebuilt with new tanks, 1911.

| No. of Badge | Name                     | Rank            | Age | Residence            |
|--------------|--------------------------|-----------------|-----|----------------------|
| 99           | James T. McCabe.....     | Captain .....   | 51  | 17 Laurel Street.    |
| 11           | Daniel J. O'Connell..... | Engineman ..... | 30  | 408 Columbia Street. |
| 81           | James E. Jefferson.....  | Private .....   | 28  | 158 River Street.    |
| 111          | Edward L. Kelley.....    | Private .....   | 28  | 368 Prospect Street. |
| 64           | Robt. J. Buchanan.....   | Private .....   | 43  | 22 Grigg Street.     |

## CHEMICAL ENGINE NO. 2

equipped with 600 feet of ¾-inch chemical hose. Put in service, 1894. Rebuilt, 1908.

| No. of Badge | Name                     | Rank            | Age | Residence            |
|--------------|--------------------------|-----------------|-----|----------------------|
| 16           | John D. Shea.....        | Captain .....   | 43  | 15 Athens Street.    |
| 124          | Garfield F. Eagleston... | Engineman ..... | 35  | 147 Chilton Street.  |
| 48           | George A. Regan.....     | Private .....   | 31  | 84 Pemberton Street. |
| 41           | Edward J. Shea.....      | Private .....   | 31  | 22 Porter Road.      |
| 121          | John J. Flavin.....      | Private .....   | 33  | 22½ Sparks Street.   |

## FIRES AND ALARMS

FROM APRIL 1, 1913, TO APRIL 1, 1914

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April

Wednesday, April 2, 11.15 A. M. Still alarm. Larch Road. Grass fire.

Wednesday, April 2, 6.25 P. M. Still alarm. Fresh Pond Park. Grass fire.

Thursday, April 3, 5.15 P. M. Still alarm. No. 665 Cambridge Street. Owned by John Hadin. Occupied by T. Sweeney. Cause, smoke from stove.

Thursday, April 3, 5.27 P. M. Box 391. No. 66 Brookline Street. Owned by Peter Quinn. Loss trifling. Occupied by Daisy Patterson as dwelling. No loss. Cause, overheated stovepipe.

Saturday, April 5, 1.26 A. M. Box 75. No. 464 Rindge Avenue. Owned by B. McCool as unoccupied dwelling. Loss trifling. Cause, incendiary.

Saturday, April 5, 9.40 A. M. Still alarm. No. 80 Amory Street. Owned by Jeremiah Crowley. Occupied by Alex King as dwelling. No loss. Cause, chimney fire.

Saturday, April 5, 7.55 P. M. Still alarm. Amherst Street. Dump fire.

Sunday, April 6. 11.48 P. M. Box 434. False alarm.

Monday, April 7, 9.02 A. M. Still alarm. No. 11 Sparks Street. Owned and occupied by Rose O'Connor as dwelling. No loss. Chimney fire.

Monday, April 7, 9.32 A. M. Box 18. No. 158 Charles Street. Owned by John Botelo. Loss, \$120. Occupied by Fred Kiley as dwelling. Loss, \$50. Cause, child set fire to bed.

Monday, April 7, 10.26 A. M. Box 381. No. 286 Western Avenue. Owned by Abe Bennett. Loss, \$321. Insurance, \$8,000. Occupied by B. Cooper as dwelling. Loss, \$225. Insurance, \$500. Fire in closet. Cause, unknown.

Tuesday, April 8, 8.21 A. M. Box 23. No. 28 Webster Avenue. Owned by James Garvey. Loss, \$25. Insurance, \$1,200. Occupied by M. Doyle as dwelling. \$20. No insurance. Cause, lamp exploded.

Wednesday, April 9, 8.50 A. M. Box 723. No. 31 Rice Street. Owned and occupied by W. H. Cunningham as dwelling. Loss, \$120. Insurance, \$2,000. Cause, spontaneous in oily rags.

Wednesday, April 9, 1.27 P. M. Box 233. No. 210 Broadway. Owned by Pierce estate. Loss, \$25. Insurance, \$1,750. Occupied by Eva Ward as dwelling. Loss, \$25. No insurance. Cause, fire blown from stove.

Wednesday, April 9, 8.12 P. M. Still alarm. No. 670 Massachusetts Avenue. Owned by T. H. Raymond. Loss, \$80. Insurance, \$21,000. Occupied by Central Square Hardware Co. Loss trifling. Cause, spontaneous in oily waste.

Thursday, April 10, 7.15 A. M. Box 371. No. 28 Howard Street. Owned by Kramer & Bennett. Loss, \$150. Insurance, \$8,000. Occupied by Ida Fremaman as dwelling. Loss, \$250. Insurance, \$500. Cause, incendiary fire in closet.

Friday, April 11, 10.46 A. M. Box 291. No. 432 Columbia Street. Owned by A. R. Hyde. Loss, \$30. Insurance, \$2,700. Occupied by A. R. Hyde as slipper factory. Loss, \$260. Insurance, \$6,000. Cause, defect in electric wires.

Friday, April 11, 11.30 A. M. Box 13. No. 4 Lechmere Square. Owned by Boston Elevated Railway as unoccupied dwelling. Loss trifling. Cause, incendiary in cellar.

Friday, April 11, 12.12 P. M. Box 29. No. 293 Elm Street. Owned by J. O'Connor. No loss. Occupied by John Lucy as dwelling. Loss trifling. Cause, careless dropping fire in rubbish in cellar.

Friday, April 11, 12.55 P. M. Engine No. 5 responded to Somerville Box 291.

Sunday, April 13, 1.24 A. M. Box 741. False alarm.

Sunday, April 13, 10.03 A. M. Box 271. Portland Street. Owned by G. W. Gale Lumber Co. Loss, \$1,150. Insurance, \$3,000. Occupied by G. W. Gale Lumber Co. as storage shed. Loss, \$3,500. Insurance, \$112,000. Cause, defect in electric wires.

Tuesday, April 15, 11.09 A. M. Box 23. No. 32 Bristol Street. Owned by John Owens. No loss. Occupied by C. O'Brien as dwelling. No loss. Cause, incendiary in cellar.

Tuesday, April 15, 11.10 A. M. Still alarm. No. 73 Hampshire Street. Owned by M. E. Dalton as unoccupied dwelling. No loss. Cause, incendiary in cellar.

Tuesday, April 15, 12.23 P. M. Box 29. No. 310 Prospect Street. Owned by A. E. Huntress as unoccupied dwelling. Loss, \$20. Insurance, \$4,500. Cause, incendiary in kitchen closet.

Tuesday, April 15, 1.00 P. M. Box 21. No. 10 Hunting Street. Owned by John Devine as dwelling. Loss trifling. Cause, incendiary in cellar.

Tuesday, April 15, 2.00 P. M. Engine No. 5 responded to Somerville Box 21.



Tuesday, April 15, 3.40 P. M. Engine No. 5 responded to Somerville Box 26.

Wednesday, April 16, 8.33 A. M. Still alarm. No. 2087 Massachusetts Avenue. Owned by Henderson estate. Loss, \$25. Insurance, \$3,000. Occupied by D. McMahon as provision store. No loss. Cause, gas light ignited wood work.

Wednesday, April 16, 4.15 P. M. Engine No. 5 responded to Somerville Box 241.

Thursday, April 17, 7.33 A. M. Box 291. No. 499 Windsor Street. Owned by Lois Ruben as unoccupied dwelling. No loss. Cause, incendiary.

Thursday, April 17, 9.58 A. M. Box 42. No. 27 West Street. Owned by James McDonald. Loss, \$245. Insurance, \$700. Occupied by Thomas Marcom as dwelling. Loss, \$95.35. Insurance, \$500. Cause, defect in chimney.

Thursday, April 17, 7.00 P. M. Box 192. No. 69 Fifth Street. Owned by William Ross. Loss trifling. Occupied by L. F. Hanson as dwelling. Loss trifling. Cause, child set fire to clothing on porch.

Thursday, April 17, 10.23 P. M. Engine No. 3 responded to Somerville Box 121.

Friday, April 18, 3.46 P. M. Box 18. No. 144 Charles Street. Owned by J. S. Hilliard as dwelling. Loss, \$35. Insurance, \$4,800. Cause, sparks on roof.

Saturday, April 19, 11.59 A. M. Still alarm. Eliot Street. Dump fire.

Sunday, April 20, 12.05 P. M. Still alarm. Divinity Avenue. Grass fire.

Sunday, April 20, 6.36 P. M. Still alarm. No. 1 Mercer Circle. Owned by C. F. Henderson as dwelling. No loss. Cause, chimney fire.

Sunday, April 20, 8.04 P. M. Still alarm. Willington Street. Grass fire.

Sunday, April 20, 8.35 P. M. Still alarm. No. 114 Washington Street. Owned by G. E. Howe as dwelling. No loss. Cause, chimney fire.

Tuesday, April 22, 11.09 P. M. Box 471. No. 27 Coperthwait Street. Owned by Catherine Wood as unoccupied dwelling. No loss. Cause, rubbish in cellar set afire by children.

Wednesday, April 23, 8.54 A. M. Box 192. No. 427 Cambridge Street. Owned by Henry Aldrich as dwelling. No fire. Cause, smoke from stove.

Wednesday, April 23, 11.30 A. M. Box 67. No. 7 Donald Street. Owned by P. Fitzgerald. Loss, \$157. Insurance, \$1,000. Occupied by William Fitzgerald as dwelling. Loss, \$50. Insurance, \$500. Cause, dropping fire on couch.

Thursday, April 24, 10.01 P. M. Box 45. No. 90 Banks Street. Owned by P. Sullivan. Loss, \$25. Insurance, \$2,000. Occupied by P. Cunningham as dwelling. Loss, \$40. Insurance, \$600. Cause, lamp set fire to bed.

Friday, April 25, 12.25 A. M. Roseland Street. Grass fire.

Friday, April 25, 7.30 P. M. Still alarm. No. 39 Harvard Street. Owned and occupied by Duff Spring Co. No. loss. Cause, wood on top of furnace.

Saturday, April 26, 6.40 P. M. Still alarm. Near Otis Street. Owned by B. & A. R. R. Cause, railroad ties set afire by boys.

Monday, April 28, 11.12 A. M. Engine No. 5 responded to Somerville Box 226.

Tuesday, April 29, 6.26 P. M. Box 351. No. 25 Kenwood Street. Owned by A. W. Lindstrom. Occupied by J. Ellingsworth. Cause, chimney fire.

Tuesday, April 29, 8.05 P. M. Box 247. No. 537 Main Street. Owned by Rogers estate as dwelling. Cause, chimney fire.

### May

Thursday, May 1, 10.47 A. M. Still alarm. No. 11 Douglas Street. Owned by Asa Lamson. Loss trifling. Occupied by A. J. Keefe as dwelling. Cause, children set fire under steps.

Thursday, May 1, 1.20 P. M. Still alarm. Sidney Street. Dump fire.

Friday, May 2, 4.04 P. M. Engine No. 5 responded to Somerville Box 26.

Saturday, May 3, 10.55 P. M. Box 237. No. 230 Portland Street. Owned and occupied by J. C. Dow as soap factory. Loss, \$202. Insurance, \$14,920. Cause, hot box in shafting.

Monday, May 5, 9.12 A. M. Engine No. 5 responded to Somerville Box 241.

Monday, May 5, 8.31 A. M. Box 731. No. 60 Cedar Street. Owned by Ellen O'Connell. Loss, \$218. Insurance, \$1,000. Occupied by Nellie Noonan as shed. Loss, \$75. Insurance, \$400. Cause, set afire by boys. No. 85 Rice Street. Owned by Ellen O'Connell as dwelling. Loss, \$80. Insurance, \$2,500. Cause, exposure to 60 Cedar Street.

Tuesday, May 6, 8.51 A. M. Still alarm. No. 173 Mount Auburn Street. Owned by M. Coleman as dwelling. No fire. Cause, smoke from chimney.

Tuesday, May 6, 7.28 P. M. Still alarm. No. 30 River Street. Owned by H. K. Raylass. No loss. Occupied by W. F. Whittier as dwelling. No loss. Cause, lamp exploded.

Tuesday, May 6, 8.15 P. M. Still alarm. No. 1353 Cambridge Street. Owned by Mellen estate. Loss, \$15. Insurance, \$14,000. Occupied by A. Pecorara as fruit store. Loss, \$18. Insurance, \$500. Cause, awning took fire from lamp.

Wednesday, May 7, 10.14 P. M. Box 67. No. 172 Huron Avenue. Owned by J. F. O'Brien. Loss, \$25. Insurance, \$3,000. Occupied by Daniel Lynch as dwelling. Loss, \$10. No insurance. Cause, gas light on curtain.

Thursday, May 8, 12.20 A. M. Still alarm. Sidney Street. Dump fire.

Thursday, May 8, 7.46 P. M. Still alarm. No. 63 Sparks Street. Owned by Brewster estate. No loss. Occupied by E. M. Parker as dwelling. Chimney fire.

Thursday, May 8, 9.48 P. M. Box 27. No. 44 School Street. Owned by E. D. Brooks as dwelling. Cause, chimney fire.

Friday, May 9, 10.46 A. M. Box 16. No. 114 Charles Street. Owned by Mary Foley as dwelling. Cause, chimney fire.

Friday, May 9, 7.40 P. M. Box 684. No. 205 Richdale Avenue. Owned by A. H. Hews Co. Loss, \$7,300. Insurance, \$8,000. Occupied by A. H. Hews Co. as storage for pottery. Loss, \$16,000. Insurance, \$16,000. Cause unknown. Boxes 722 and 68 for same fire as from 684.

Saturday, May 10, 1.01 A. M. Box 39. False alarm.

Saturday, May 10, 8.30 A. M. Still. Rekindling of A. H. Hews fire.

Saturday, May 10, 6.25 P. M. Box 281. No. 237 Broadway. Owned by J. G. Litter. Loss, \$100. Insurance, \$8,000. Occupied by C. Cummings. No loss. Cause, fire set by boys outside of building.

Sunday, May 11, 10.40 A. M. Still. Larch Road. Grass fire.

Sunday, May 11, 5.59 P. M. Box 271. No. 640 Main Street. Owned by G. W. Gale Lumber Co. Loss trifling. Cause, lumber set afire by boys.

Sunday, May 11, 1.01 P. M. Box 346. False alarm.

Monday, May 12, 1.20 P. M. Still alarm. No. 668 Cambridge Street. Owned by Linehan estate. Loss, \$186. Insurance, \$8,000. Cause, boys set fire outside of house.

Tuesday, May 13, 11.23 A. M. Still alarm. Corner Ash and Brattle Streets. Owned by City of Cambridge. Cause, hot ashes in ash collecting wagon.

Tuesday, May 13, 3.55 P. M. Box 294. False alarm.

Tuesday, May 13, 8.20 P. M. Engine No. 3 responded to fire in Somerville.



Wednesday, May 14, 7.39 A. M. Still alarm. No. 13 Kenwood Street. Owned by M. A. Jones. No loss. Occupied by D. J. Shark as dwelling. Chimney fire.

Wednesday, May 14, 9.45 A. M. Box 783. No. 65 Whittemore Avenue. Owned by Hugh Cameron as florist shed. Loss, \$30. Insurance, \$2,000. Cause, careless dropping fire in rubbish.

Wednesday, May 14, 11.02 A. M. Box 293. Tremont Street. Owned by City of Cambridge as street sweeper. Loss trifling. Cause, set afire by boys.

Wednesday, May 14, 8.31 P. M. Still alarm. Prison Point Street Bridge fire.

Thursday, May 15, 10.25 A. M. Box 512. Church Street. Owned by D. Bolger as automobile. Loss, \$325. Insurance, \$500. Cause, back fire.

Thursday, May 15, 2.47 P. M. Box 282. No. 72 Cherry Street. Owned by Albert Touchet. No loss. Occupied by J. Coleman as dwelling. No fire. Cause, meat in stove oven burning.

Friday, May 16, 3.45 P. M. Box 294. False alarm.

Friday, May 16, 4.41 P. M. Box 461. No. 1050 Massachusetts Avenue. Owned by Dr. Southwick. Loss, \$325. Insurance, \$6,000. Occupied by Charles Santoro as barber shop. Loss, \$10. Insurance, \$800. Occupied by Jeremiah Corcoran as undertaker. Loss, \$12.57. Insurance, \$500. Cause, careless dropping fire in rubbish in cellar.

Saturday, May 17, 6.29 A. M. Box 27. No. 764 Main Street. Owned by Winn estate. Loss, \$20. Insurance, \$2,500. Occupied by G. W. Johnson as dwelling. Loss, \$20. Insurance, \$500. Cause, oil stove took fire.

Saturday, May 17, 11.11 P. M. Still alarm. Elbro Street. Old ruins of boat house.

Sunday, May 18, 9.37 P. M. Box 215. No. 22 Marion Street. Owned by Thomas Horrigan. Occupied by J. Lucy as dwelling. No loss. Cause, boys smoking in cellar set fire to rubbish.

Monday, May 19, 1.45 P. M. Box 282. Corner Eaton and Pine Streets. Owned by Lamson estate. Occupied by John Lenox as tool locker. No loss. Cause, set afire by boys.

Monday, May 19, 2.42 P. M. Still alarm. No. 44 Stearns Street. Owned and occupied by C. La Pore as dwelling. Cause, fat on stove.

Monday, May 19, 9.50 P. M. Still alarm. No. 2 Harvard Place. Owned by Sousa estate as dwelling. No loss. Cause, lamp took fire.

Monday, May 19, 10.20 P. M. Still alarm. First Street. Owned and occupied by Irvin and Casson as factory. No fire. Water running.

Tuesday, May 20. 11.40 A. M. Still alarm. Aberdeen Avenue. Grass fire.

Friday, May 23, 1.58 P. M. Box 295. No. 243 Columbia Street. Owned by S. Zanditon. Loss, \$320. Insurance, \$8,000. Occupied by J. Rosenstein as dwelling. Loss, \$400. Insurance, \$800. Cause, child set fire in closet.

Wednesday, May 28, 4.59 P. M. Box 294. False alarm.

Friday, May 30, 9.00 A. M. Box 411. No. 204 Prospect Street. Owned and occupied by C. Lopez as carpenter shop. No loss. Cause, oily rags.

Friday, May 30, 11.07 A. M. Box 381. No. 67 Howard Street. Owned and occupied by Margaret Harrington as dwelling. Loss, \$60. Insurance, \$4,000. Cause, kettle of tar on stove took fire. Box 453. Alarm for same as from Box 381.

Saturday, May 31, 5.17 P. M. Still alarm. No. 1336 Massachusetts Avenue. Owned by Harvard College. Occupied by P. McCormack as druggist. Loss, \$10. Insurance, \$10. Cause, fire thrown on awning.

### June

Sunday, June 1, 12.39 A. M. Box 45. No. 71 Banks Street. Owned and occupied by John Culhane as stable. Loss, \$200. No insurance. Cause, careless smoking.

Sunday, June 1, 7.24 P. M. Box 79. No. 33 Cedar Street. Owned by J. F. O'Brien as unoccupied dwelling. Loss trifling. Cause, set afire by children playing in cellar.

Monday, June 2, 12.31 P. M. Still alarm. Prison Point Street. Rubbish in street.

Monday, June 2, 8.29 P. M. Box 32. Albany Street. Owned by Holt and Fairchild as pile of lumber. Loss, \$25. No insurance. Cause, set afire by boys.

Tuesday, June 3, 12.29 A. M. Box 215. No. 395 Portland Street. Owned by Lois Sandler. No loss. Occupied by M. Ledman as dwelling. Loss trifling. Cause, smoking in bed.

Tuesday, June 3, 6.48 A. M. Box 23. No. 9 Hamlin Street. Owned by J. Murphy as dwelling. No fire. Cause, smoke from hole in chimney.

Wednesday, June 4, 7.45 A. M. Box 126. No. 257 Cambridge Street. Owned by St. John Literary Institute. Occupied by J. Moran as restaurant. No fire. Smoke from stove.

Thursday, June 5, 1.01 P. M. Box 12. Rear No. 8 Fourth Street. Owned by James Giganti as dwelling. No loss. Cause, hot ashes in barrel.



Thursday, June 5, 5.22 P. M. Box 291. No. 465 Windsor Street. Owned by T. E. Scanlan. Loss, \$150. Insurance, \$600. Occupied by Charles Brodsky as barrel storage. Loss, \$600. Insurance, \$800. Cause, unknown. Box 294. Alarm for same as from Box 291.

Thursday, June 5, 8.38 P. M. Box 29. Tremont Street. Owned by City of Cambridge as wagon shed. Loss trifling. Cause, sparks on roof.

Friday, June 6, 1.35 P. M. Box 89. No. 361 Concord Avenue. Owned by Doherty estate. Loss, \$1,500. No insurance. Occupied by P. Doherty as dwelling. Loss, \$200. No insurance. Cause, sparks from locomotive on roof.

Friday, June 6, 7.22 P. M. Pioneer Street. Rubbish.

Saturday, June 7, 5.11 A. M. Box 19. No. 544 Cambridge Street. Owned by A. W. Blake. Loss, \$15. Insurance, \$1,500. Occupied by Charles Goon as laundry. No loss. Cause, stove too near floor.

Saturday, June 7, 7.02 A. M. Box 351. No. 214 Pearl Street. Owned by J. D. Kramer. No loss. Occupied by Charles Harris as dwelling. No loss. Cause, sparks from stove pipe hole in chimney.

Saturday, June 7, 9.57 A. M. Box 84. No. 135 Vassal Lane. Owned by New England Brick Co as unoccupied dwelling. Loss, \$1,000. No insurance. Set afire by children.

Saturday, June 7, 12.30 P. M. Still alarm. Putnam Avenue. Dump fire.  
Sunday, June 8, 3.08 P. M. Box 134. No. 21 Thorndike Street. Owned by Irwin & Casson. Loss, \$600. Insurance, \$20,000. Occupied by Joseph Josephs Co. as storage of cotton waste. Loss trifling. Cause, spontaneous in cotton.

Monday, June 9, 12.42 A. M. Box 134. False alarm.

Monday, June 9, 12.55 P. M. Still alarm. No. 10 State Street. Owned by Gertrude Mordicar. Loss, \$50. Insurance, \$1,500. Occupied by Eva Hill as dwelling. Loss, \$25. No insurance. Cause, unknown.

Monday, June 9, 8.52 P. M. Box 783. No. 2534 Massachusetts Avenue. Owned by Henderson Bros. Loss, \$25. Insurance, \$1,500. Occupied by G. H. Applegate as dwelling. Loss trifling. Cause, upset lamp.

Tuesday, June 10, 8.59 A. M. Box 342. Parkway. Owned by Hudson Motor Co. as automobile. Loss, \$150. Insurance, \$500. Cause, back fire.

Tuesday, June 10, 2.30 P. M. Still alarm. No. 31 Harvard Street. Owned by C. H. Pomeroy as pile of lumber. Loss, \$25. No insurance. Cause, set afire by boys.

Tuesday, June 10, 5.50 P. M. Box 212. No. 37 Porter Street. Owned and occupied by M. Simeon as dwelling. Loss trifling. Cause, oil stove took fire.



Tuesday, June 10, 6.05 P. M. Still alarm. No. 310 Webster Avenue. Owned and occupied by J. Welch as dwelling. Loss, \$40. Insurance, \$2,000. Cause, sparks on roof.

Tuesday, June 10, 6.35 P. M. Box 34. Fire in Brighton. Engine No. 6 responded.

Tuesday, June 10, 7.57 P. M. Box 72. No. 18 Cogswell Avenue. Owned by Rogers estate. No loss. Occupied by several families. Cause, children set fire under steps.

Wednesday, June 11, 9.00 A. M. Still alarm. Prison Point Street. Bridge fire.

Wednesday, June 11, 11.50 A. M. Still alarm. Hampshire Street. Electric car.

Wednesday, June 11, 4.56 P. M. Box 72. No. 12 Cogswell Avenue. Owned by Rogers estate. No loss. Occupied by Catherine O'Connell as dwelling. No loss. Fire under cellar stairs. Cause, incendiary.

Thursday, June 12, 4.57 P. M. Box 79. No. 16 Cameron Avenue. Owned by Calvin Talbot. Loss, \$305. Insurance, \$1,500. Occupied by Edward Powers as dwelling. Loss, \$325. Insurance, \$700. Cause, unknown. Fire in attic. Box 78. Alarm for same as from Box 79.

Thursday, June 12, 11.05 P. M. Box 237. Portland Street. Owned and occupied by Boston Woven Hose & Rubber Co. Loss, \$3,100. Insurance, \$6,000. Storage house. Cause, oily rags in contact with steam pipe. Boxes 191, 291, 241 were given by excited people.

Friday, June 13, 9.00 A. M. Still alarm. No. 78 Washington Street. Owned by Rogers estate as dwelling. No loss. Cause, chimney fire.

Friday, June 13, 9.25 A. M. Still alarm. Vassar Street. Rubbish in street.

Friday, June 13, 1.15 P. M. Still alarm. No. 86 Washington Street. Owned by Rogers estate. No fire. Cause, broken gas pipe.

Saturday, June 14, 4.50 P. M. Still alarm. State Street. Rubbish in street.

Sunday, June 15, 5.20 A. M. Still alarm. No. 238 Walden Street. Owned by Wm. H. Geikle. Loss, \$30. Insurance, \$1,500. Occupied by E. C. Hartford as dwelling. Loss, \$25. Insurance, \$500. Cause, smoking in bed.

Sunday, June 15, 1.45 P. M. Box 134. No. 211 Thorndike Street. Owned by Irwin & Casson. Occupied by Joseph Josephs Co. as cotton storage. No loss. Cause, fire thrown through window into cellar.

Sunday, June 15, 3.38 P. M. Box 7. Massachusetts Avenue. B. & M. R. R. bridge.

Monday, June 16, 9.03 P. M. Box 215. Near Cambridge Street on B. & A. R. R. Cause, pile of sleepers set afire by boys.

Monday, June 16, 9.08 P. M. Box 29. Windsor Street, Somerville. Bonfire.

Tuesday, June 17, 7.50 A. M. Still alarm. Magazine Street. Dump fire.

Tuesday, June 17, 4.05 P. M. Box 281. False alarm.

Tuesday, June 17, 7.11 P. M. Box 126. No. 82 Otis Street. Owned by B. H. Grover. Loss, \$10. Insurance, \$5,000. Occupied by David Button as dwelling. Loss, \$5. No insurance. Cause, firecracker on curtain.

Tuesday, June 17, 8.20 P. M. Still alarm. No. 61 Hubbard Avenue. Owned and occupied by Wm. Gibson as dwelling. Loss, \$25. Insurance, \$3,500. Cause, fireworks on roof.

Wednesday, June 18, 8.15 A. M. Ladder No. 2 responded to Somerville Box 21.

Wednesday, June 18, 1.30 P. M. Still alarm. No. 176 Elm Street. Kettle of tar boiled over.

Thursday, June 19, 7.40 A. M. Still alarm. Hammond Street. Cat rescued from tree.

Thursday, June 19, 8.35 A. M. Box 39. No. 33 Prospect Street. Owned by George Southwick as unoccupied dwelling. No loss. Cause, workmen set fire to oakum.

Thursday, June 19, 5.06 P. M. Box 681. No. 2 Cambridge Terrace. Owned by N. & M. Burke. Loss, \$275. Insurance, \$5,500. Occupied by several families. No loss. Cause, rats and matches in rubbish in cellar.

Friday, June 20, 10.35 A. M. Box 21. No. 149 Willow Street. Owned and occupied by Joseph Andleman as storage of bottles. Loss, \$1,137.54, Insurance, \$1,500. Cause unknown. No. 147 Willow Street. Owned by Isabella Black as stable. Loss, \$80. Insurance, \$500. Cause, exposure to 149.

Friday, June 20, 11.55 A. M. Box 36. No. 146 Erie Street. Owned and occupied by Edward Archer as dwelling. Loss, \$72. Insurance, \$5,000. Cause, dropping fire on bed.

Friday, June 20, 8.31 P. M. Box 67. No. 113 Huron Avenue. Owned and occupied by Sarah Riley as dwelling. Loss, \$1,086. Insurance, \$6,000. Occupied by M. Hanrahan. Loss, \$300. Insurance, \$1,000. Cause, dropping fire in rubbish in cellar.

Sunday, June 22, 1.07 A. M. Still alarm. No. 20 Grant Street. Owned by Julia Shea as dwelling. Loss trifling. Cause, dropping fire in rags in bathroom.

Sunday, June 22, 3.34 P. M. Box 192. No. 75 Fifth Street. Owned by James J. Shea as dwelling. Loss, \$55. Insurance, \$25. Cause, sparks on roof.

Sunday, June 22, 9.48 P. M. Box 19. No. 61 Seventh Street. Owned by Fowto Nato. Loss, \$103. Insurance, \$3,000. Occupied by Ellen Canel as grocery. Loss, \$160. Insurance, \$300. Cause, mice and matches on shelf.

Monday, June 23, 1.45 P. M. Still alarm. No. 4 Gove Street. Owned by Charles Fine. No loss. Occupied by Wm. Donovan as dwelling. Cause, chimney fire.

Monday, June 23, 5.55 P. M. Still alarm. Foot of Brookline Street. Old lumber set by boys.

Tuesday, June 24. 4.04 P. M. Box 212. Alarm for fire in Somerville.

Tuesday, June 24, 8.07 P. M. Still alarm. No. 13 Glenwood Avenue. Owned by Edward Kendall. Occupied by A. R. Haslett as dwelling. No loss. Cause, match dropped on carpet on piazza.

Wednesday, June 25, 11.49 A. M. Box 18. No. 16 Fifth Street. Owned by Joseph Diaz as dwelling. Cause, chimney fire.

Wednesday, June 25, 5.51 P. M. Box 416. No. 73 Dana Street. Owned by Gilbert Hodges. Loss, \$200. Insurance, \$5,000. Occupied by J. L. Carpenter as dwelling. Loss, \$114.50. Insurance, \$500. Cause, child set fire to bed.

Thursday, June 26, 4.50 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 23.

Thursday, June 26, 9.29 P. M. Box 281. No. 3 Linwood Place. Owned by Robert Young. Loss, \$27. Insurance, \$6,000. Occupied by J. Gearin. Loss, \$40. No insurance. Cause, fire on ironing board in entry.

Friday, June 27, 1 A. M. Box 71. No. 1990 Massachusetts Avenue. Owned by Wm. F. Brooks. Loss, \$60. Insurance, \$10,000. Occupied by Asmar Ememark as cobbler shop. Loss, \$10. Insurance, \$400. Occupied by H. Halpin as periodical store. Loss, \$20. No insurance. Cause, careless dropping fire in cellar.

Saturday, June 28, 10.43 A. M. Box 351. Tufts Street. Owned and occupied by J. Butland as stable. Loss, \$650. Insurance, \$2,000. Cause, rays of sun through window ignited hay.

Saturday, June 28, 4.04 P. M. Box 295. No. 185 Elm Street. Owned by John Hanue. Loss, \$55. Insurance, \$1,000. Occupied by T. O'Rourke as dwelling. Cause, tent against house set afire by boys.

Saturday, June 28, 5.22 P. M. Box 72. No. 18 Cogswell Avenue. Owned by B. F. Rogers estate. No loss. Occupied by D. McInnis as dwelling. Loss, trifling. Careless dropping fire in bureau.



Saturday, June 28, 7.25 P. M. Still alarm. B. & A. R. R. Cause, pile of sleepers set afire by boys.

Saturday, June 28, 8.28 P. M. Box 361. Pleasant Street. Owned by Dover Stamping Co. Cause, fence took fire from dump.

Sunday, June 29, 1.53 A. M. Box 75. No. 473 Rindge Avenue. Owned by Bridget McCool estate. Loss, \$800. No insurance. Occupied by J. Fitzgerald. Loss \$500. No insurance. Cause incendiary. No. 475 Rindge Avenue. Owned by McCool estate as unoccupied dwelling. Loss, \$100. No insurance. Exposed to No. 473. Box 783 alarm for same as from Box 75.

Sunday, June 29, 11.14 A. M. Box 351. No. 520 Putnam Avenue. Owned by Montgomery estate. Loss, \$165. Insurance, \$1,200. Occupied by J. W. Ray as dwelling. Loss, \$100. No insurance. Cause, rats and matches in partition.

Sunday, June 29, 3.27 P. M. Box 124. No. 82 Winter Street. Owned and occupied by Susan Gafferny as dwelling. Loss, \$50. Insurance, \$1,000. Cause, fire dropped on roof.

Sunday, June 29, 5.15 P. M. Still alarm. Vassar Street. Owned by Hugh Nawn as empty tar barrels. Cause, set afire by boys.

Sunday, June 29, 6 P. M. Still alarm. Pleasant Street. Dump fire.

Monday, June 30, 3.14 P. M. Box 75. No. 281. Rindge Avenue. Owned and occupied by R. Leville as broom factory. Loss, trifling. Cause, careless dropping match in broom stock.

Monday, June 30, 5.48 P. M. Still alarm. No. 21 Decatur Street. Owned by Ida C. Pierce as dwelling. No loss. Cause, chimney fire.

Monday, June 30, 9.05 P. M. Box 247. No. 2 School Street. Owned by A. Short. Loss, \$10. Insurance, \$2,500. Occupied by E. Ericson as dwelling. Loss, \$1. No insurance. Cause, lamp ignited curtain. Box 271. Alarm for same as from Box 247.

### July.

Tuesday, July 1, 8.10 A. M. Box 195. Alarm for fire in Somerville.

Tuesday, July 1, 1.42 P. M. Box 237. No. 199 Portland Street. Owned by Louisa Rush. Loss, \$75. Insurance, \$1,000. Cause, fire on roof.

Tuesday, July 1, 2.27 P. M. Box 291. No. 282 Webster Avenue. Owned by E. J. Dumphy as baby carriage house. Loss, \$25. Insurance, \$8,000. Cause, set afire by children.

Tuesday, July 1, 5.46 P. M. Box 39. No. 586 Massachusetts Avenue. Owned by Harry Ginsberg. Loss, \$335. Insurance, \$10,500. Occupied by Dental Specialty Co. Loss, \$600. Insurance, \$2,500. Cause, careless dropping match in oil.

Thursday, July 3, 7.45 P. M. Still alarm. Magnolia Avenue. Bonfire.

Thursday, July 3, 9.44 P. M. Box 29. False alarm.

Thursday, July 3, 9.51 P. M. Still alarm. No. 56 Cherry Street. Owned by H. Eighel as dwelling. Loss, trifling. Cause, firecracker on roof.

Thursday, July 3, 11.25 P. M. Box 26. Vassar Street. Cause, empty tar barrels.

Friday, July 4, 2.10 A. M. Box 78. On B. & M. R. R. freight car. Loss, \$100. Insurance, \$1,000. Cause, incendiary.

Friday, July 4, 3.31 A. M. Box 432. Franklin Street. Bonfire.

Friday, July 4, 4.00 A. M. Engine No. 5 responded to Somerville Box 219.

Friday, July 4, 7.30 A. M. Still alarm. Magazine Street. Dump fire.

Friday, July 4, 8.45 A. M. Still alarm. Prospect Street. Tree fire.

Friday, July 4, 11.10 A. M. Still alarm. No. 225 Allston Street. Owned by G. S. Chapman as barn. Loss trifling. Cause, fireworks on roof.

Friday, July 4, 11.10 A. M. Box 18. No. 141 Fifth Street. Owned by Felix Conlan as dwelling. Loss, \$75. Insurance, \$1,000. Cause, fireworks on roof.

Friday, July 4, 12.06 P. M. Box 95. No. 89 Oxford Avenue. Owned and occupied by John Rockett. No loss. Cause, chimney fire.

Friday, July 4, 2.45 P. M. Still alarm. No. 184 Bridge Street. Owned by Wm. Sholdsky as dwelling. No loss. Cause, firecrackers in cellar.

Friday, July 4, 5.15 P. M. Still alarm. Pleasant Street. Fence fire from fireworks.

Friday, July 4, 8.20 P. M. Box 41. No. 1385 Cambridge Street. Owned by J. McFarland. Occupied by M. Martin as fruit store. Loss, \$30. Insurance, \$1,000. Cause, fire thrown on awning.

Friday, July 4, 8.26 P. M. Box 361. No. 32 Andrew Street. Owned by M. White. Loss, \$240. Insurance, \$300. Occupied by Sam Fremerman as stable. Loss, \$400. Insurance, \$1,000. Occupied by M. Garfinkle. Loss, \$85. Insurance, \$500. Cause, careless dropping fire in hay. No. 32 Andrew Street. Owned by M. White. Loss, 475. Insurance, \$1,500. Occupied by A. Barbor as dwelling. Loss, \$200. No insurance. Occupied by M. J. Early. Loss, \$150. Insurance, \$400. Cause, exposure. No. 30 Andrew Street. Owned by Phillip Barbor. Loss, \$95. Insurance, \$2,000. Occupied by Wm. Barbor as dwelling. Loss, \$18. Insurance, \$600. Occupied by Veto Caner-navo. Loss, \$25. No insurance. Cause, exposure. No. 28 Andrew Street. Owned by James Kradel as dwelling. Loss, \$15. Insurance, \$3,500. Cause,



exposure. No. 119 Pleasant Street. Owned by Edward Moore. Loss, \$100. No insurance. Occupied by D. McCarthy as stable. Loss, \$75. No insurance. Cause, exposure. No. 119 Pleasant Street. Owned by Edward Moore as dwelling. Loss, \$30. Insurance, \$900. Cause, exposure. No. 117 Pleasant Street. Owned by J. Crowley. Loss, \$700. Insurance, \$4,000. Occupied by Frank Sherry as dwelling. Loss, \$30. No insurance. Occupied by J. Farrell. Loss, \$146. Insurance, \$500. Cause, exposure.

Friday, July 4, 9.04 P. M. Still alarm. No. 32 Rockingham Street. Owned by M. Nash. Loss, \$50. Insurance, \$3,000. Occupied by M. E. Harris as dwelling. Cause, fireworks on roof.

Friday, July 4, 11.30 P. M. Box 16. No. 248 Third Street. Owned by Conlan estate. Loss trifling. Occupied by C. Kirchner as dwelling. No loss. Cause, fireworks in cellar.

Saturday, July 5, 3.15 A. M. Box 293. No. 174 Hampshire Street. Owned by Elmer Bright. Loss, \$500. Insurance, \$6,000. Occupied by Nat. Baker as provision store. Loss, \$75. Insurance, \$1,500. Cause, dropping fire in rubbish in cellar. Box 361, unnecessary.

Saturday, July 5, 5.45 P. M. Still alarm. Brookline Street. Dump fire.

Saturday, July 5, 8.13 P. M. Box 134. False alarm.

Sunday, July 6, 7.36 P. M. Box 137. Prison Point Street. Bridge fire.

Monday, July 7, 9.43 A. M. Still alarm. Brookline Street. Dump fire.

Monday, July 7, 3.26 P. M. Box 41. No. 1300 Cambridge Street. Owned by S. Fishman as dwelling. No loss. Cause, children set fire in cellar.

Tuesday, July 8, 2.23 P. M. Box 381. No. 13 Dodge Street. Owned by Albert Jones as stable. No loss. Cause, rubbish outside building. Box 453. Alarm for same as from Box 381.

Wednesday, July 9, 8.45 A. M. Still alarm. No. 410 Norfolk Street. Owned by S. Andelman as dwelling. Cause, chimney fire.

Wednesday, July 9, 12.07 P. M. Still alarm. No. 2033 Massachusetts Avenue. Rubbish in yard.

Wednesday, July 9, 7.30 P. M. Still alarm. Magazine Street. Dump fire.

Friday, July 11, 7.56 P. M. Box 39. No. 19 Western Avenue. Owned by Geo. Southwick. Loss, \$17. Insurance, \$4,000. Occupied by John Silva as fruit store. Loss, \$40. Insurance, \$1,000. Cause, fire thrown on awning.

Friday, July 11, 8.35 P. M. Still alarm. Raymond Street. Dump fire.

Saturday, July 12, 5.47 A. M. Box 346. No. 152 Brookline Street. Owned by J. H. Lewis. Loss, \$35. Insurance, \$4,000. Occupied by Julia Dorsey as dwelling. Loss, \$35. Insurance, \$500. Cause, matches ignited on shelf.



Saturday, July 12, 9.52 A. M. Box 75. Rindge Avenue. Cemetery. Grass fire.

Saturday, July 12, 2.50 P. M. Box 191. No. 127 Spring Street. Owned and occupied by James O'Keefe as dwelling. No loss. Cause, oil stove took fire.

Saturday, July 12, 10.28 P. M. Still alarm. No. 805 Main Street. Owned by Davis estate. Loss, \$10. Insurance, \$4,000. Occupied by S. Christopher as fruit store. Loss, \$25. Insurance, \$1,000. Cause, lamp set fire to awning.

Sunday, July 13, 12.08 P. M. Box 35. Magazine Street. Dump fire.

Sunday, July 13, 3.54 P. M. Still alarm. Pleasant Street. Grass fire.

Sunday, July 13, 5.30 P. M. Still alarm. Landsdown Street. Fence fire.

Sunday, July 13, 7.37 P. M. Box 245. Sixth Street. Owned by City of Cambridge as bags of cement. Cause, overturned lantern.

Monday, July 14, 8.37 A. M. Box 215. No. 360 Portland Street. Owned by R. Fawcett. Loss trifling. Occupied by L. Sovensky as junk dealer. Cause, burning metal in yard.

Monday, July 14, 10.07 A. M. Box 16. Binney and Third Street. Grass fire.

Monday, July 14, 8.35 P. M. Still alarm. No. 879 Main Street. Owned by H. M. White. No loss. Occupied by M. Freedman as furniture dealer. Cause, rubbish outside building.

Tuesday, July 15, 11.40 A. M. False call on telephone.

Tuesday, July 15, 4.15 P. M. Accidental automatic from Blanchard Machine Co.

Tuesday, July 15, 4.35 P. M. Still alarm. Albany and Erie Streets. Owned by G. Vanrouken as pile driver. No loss. Set afire by boys.

Tuesday, July 15, 6.08 P. M. Box 18. No. 249 Vine Street. Owned by Wm. Stanger. Loss trifling. Occupied by A. Whalen as dwelling. Loss trifling. Cause, child set fire to table cover.

Tuesday, July 15, 8.00 P. M. Still alarm. Binney and Third Streets. Grass fire.

Wednesday, July 16, 8.13 A. M. Box 291. No. 513 Windsor Street. Owned and occupied by S. Andleman as bottle storage. Loss, \$750. Insurance, \$1,500. Cause, possible electric wires.

Wednesday, July 16, 8.53 P. M. Box 27. No. 64 State Street. Owned by Blanchard Machine Co. Cause, smoking near pail of gasoline in yard.

Thursday, July 17, 1.25 A. M. Still alarm. Fresh Pond Avenue. R. R. bridge. Cause, sparks from locomotive.

Thursday, July 17, 4.30 P. M. Box 23. No. 124 Webster Avenue. Owned by A. Rokicki as dwelling. No loss. Cause, children set fire in cellar.

Friday, July 18, 12.25 P. M. Box 911. No. 755 Concord Avenue. Owned and occupied by Commonwealth Glue Co. as storage. Loss, \$2,178. Insurance, \$3,500. Cause, supposed incendiary. Box 91. Alarm for same as from Box 911.

Saturday, July 19, 1.14 P. M. Box 282. No. 57 Cherry Street. Owned by C. Oakland. Occupied by T. F. Marlow as dwelling. No loss. Cause, oil stove took fire.

Saturday, July 19, 4.46 P. M. Box 291. No. 432 Columbia Street. Owned and occupied by A. R. Hyde as slipper factory. Loss trifling. Cause, placed in crack in door.

Sunday, July 20, 11.02 A. M. Box 342. Brookline Street. Bridge. Cause, sweeping from bridge.

Sunday, July 20, 12.11 P. M. Box 215. No. 20 Marion Street. Owned by Thomas Horrigan. No loss. Occupied by St. Pawha Mills as dwelling. Loss trifling. Cause, throwing match into wood box.

Tuesday, July 22, 8.45 A. M. Still alarm. No. 193 Hampshire Street. Owned by James Matthewson as dwelling. No fire. Smoke from chimney in room.

Tuesday, July 22, 4.40 P. M. Still alarm. Binney Street. Owned by B. & A. R. R. as freight car. Loss trifling. Cause, set afire by boys.

Tuesday, July 22, 4.47 P. M. Still alarm. Waverly Street. Owned by B. & A. R. R. as freight car. Loss trifling. Cause, sweepings from car.

Wednesday, July 23, 12.12 A. M. Waverly Street. Owned by B. & A. R. R. as freight car. Sweepings from car.

Thursday, July 24, 1.53 P. M. Box 253. False alarm.

Friday, July 25, 8.41 P. M. Still alarm. Vassar Street. Owned by Hugh Nawn as pile of logs. Cause, set afire by boys.

Friday, July 25, 9.26 P. M. Box 292. No. 917 Cambridge Street. Owned by Purity Distilling Co. Loss trifling. Cause, careless dropping fire in coat in closet.

Sunday, July 27, 1.57 A. M. Box 21. No. 23 Harding Street. Owned by Timothy Lane. Loss, \$30. Insurance, \$1,000. Occupied by Paul Drujitis as dwelling. Loss, \$10. No insurance. Cause, smoking in bed.

Monday, July 28, 4.35 P. M. Box 14. No. 36 Spring Street. Owned by E. B. Dennison. Loss, \$30. Insurance, \$1,714. Occupied by John Powers as dwelling. Loss, \$30. No insurance. Cause, careless use of candle in clothes closet.

Tuesday, July 29, 3.43 P. M. Box 16. False alarm.

Wednesday, July 30, 2.30 A. M. Still alarm. No. 46 Antrim Street. Owned by R. H. Kaulback. Loss, \$75. Insurance, \$6,500. Occupied by A. Padleford as dwelling. Loss, \$50. Insurance, \$500. Cause, lamp exploded.

Wednesday, July 30, 10.16 A. M. Box 78. No. 2475 Massachusetts Avenue. Owned and occupied by H. England as woodshed. Loss, \$32. Insurance, \$150. Cause, set afire by children.

Wednesday, July 30, 10.28 A. M. Still alarm. No. 223 Putnam Avenue. Owned and occupied by La Perrie Drug Co. No loss. Cause, dropping fire in rubbish in cellar.

Thursday, July 31, 12.33 P. M. Still alarm. No. 197 Hampshire Street. Owned by McCue estate as dwelling. Cause, chimney fire.

Thursday, July 31, 7.15 P. M. Box 18. No. 162 Charles Street. Owned by P. Fitzgerald as dwelling. Cause, chimney fire.

### August

Friday, August 1, 3.25 P. M. Box 434. False alarm.

Friday, August 1, 5.56 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 23.

Saturday, August 2, 2.18 P. M. Box 67. No. 70 Concord Avenue. Owned by J. F. O'Brien. Loss trifling. Occupied by A. E. Morrill Co. as hardware store. Loss, \$110. Insurance, \$1,000. Cause, dropping lighted match on oily floor.

Saturday, August 2, 9.08 P. M. Box 39. Temple Street. Owned by W. D. Bradstreet. Loss, \$570. Insurance, \$50,000. Occupied by W. D. Bradstreet as theatre. Loss, \$542.29. Insurance, \$8,500. Cause, short circuit of wires.

Sunday, August 3, 1.51 P. M. Box 291. No. 325 Elm Street. Owned by Abe Cohen. Loss, \$950. Insurance, \$5,000. Occupied by L. Finistein as dwelling. Loss, \$200. No insurance. Cause, upset gas stove.

Sunday, August 3, 7.50 P. M. Still alarm. Engine No. 5 responded to Somerville Box 26.

Sunday, August 3, 9.48 P. M. Box 291. Assistance sent to Somerville.

Monday, August 4, 12.37 P. M. Box 75. No. 6 Jackson Street. Owned by John Roach. Loss, \$25. Insurance, \$1,500. Occupied by John Sparold as dwelling. Loss, \$20. No insurance. Cause, child set fire to bed.



Monday, August 4, 9.37 P. M. Box 723. No. 2198 Massachusetts Avenue. Owned by D. C. Lonergan. Loss, \$550. Insurance, \$9,000. Occupied by Murray estate as dry goods. Loss, \$598.28. Insurance, \$2,500. Occupied by Chas. Lanzell as billiard room. Loss, \$29.75. Insurance, \$400. Cause, rats in partition.

Tuesday, August 5, 4.34 P. M. Box 453. False alarm.

Wednesday, August 6, 9.19 P. M. Box 32. False alarm.

Thursday, August 7, 7.15 A. M. Still alarm. Ladder No. 3 rescued cat from tree.

Thursday, August 7, 7.20 A. M. Still alarm. No. 2534 Massachusetts Avenue. Owned by F. Henderson. Loss trifling. Occupied by M. Bigley as dwelling. Cause, set fire to paper on floor.

Thursday, August 7, 9.47 A. M. Box 176. No. 132 Potter Street. Owned and occupied by Warren Bros. as asphalt factory. Loss trifling. Cause, kettle of tar boiled over.

Thursday, August 7, 12.40 P. M. Still alarm. No. 188 Bridge Street. Owned by J. Gonzalazo as fence. Cause, set afire by children.

Thursday, August 7, 4.55 P. M. Still alarm. No. 28 Windsor Street. Owned by F. F. Sullivan. Loss, \$205. Insurance, \$2,500. Occupied by J. B. Rody as dwelling. Loss, \$6. No insurance. Cause, oil stove took fire.

Friday, August 8, 1.40 P. M. Still alarm. No. 351 Portland Street. Owned by A. M. Raulinertis. No loss. Occupied by John Hennisey as dwelling. No loss. Cause, children set fire in cellar.

Friday, August 8, 5.50 P. M. Box 391. Auburn Street. Owned by D. O'Keefe as automobile. Loss trifling.

Saturday, August 9, 12.22 P. M. Box 684. Raymond Street. City yard. Cause, pile of wood set afire by boys.

Saturday, August 9, 11.01 P. M. Box 684. No. 105 Richdale Avenue.

Owned and occupied by A. H. Howe Co. as pottery factory. Loss, \$325. Insurance, \$232,000. Cause, overheated kiln set fire to woodwork.

Sunday, August 10, 3.07 A. M. Box 75. No. 475 Rindge Avenue. Owned by McCool estate as unoccupied dwelling. Loss trifling. Cause, incendiary.

Tuesday, August 12, 3.12 P. M. Still alarm. Raymond Street. Dump fire.

Wednesday, August 13, 11.28 P. M. Box 39. No. 557 Massachusetts Avenue. Owned by Lamson estate. Loss, \$100. Insurance, \$22,500. Occupied by Cloverdale Co. No loss. Cause, dropping fire in rubbish.

Thursday, August 14, 5.47 A. M. Still alarm. No. 45 River Street. Owned by Henry Swartz. Loss, \$10. Insurance, \$15,000. Occupied by D. Livingston as dwelling. Loss, \$6. Insurance, \$500. Cause, careless dropping fire in pantry.

Thursday, August 14, 2.42 P. M. Box 391. No. 191 Franklin Street. Owned and occupied by John E. Proctor as dwelling. Loss, \$72.50. Insurance, \$2,200. Cause, careless use of match in clothes closet.

Thursday, August 14, 4.05 P. M. Still alarm. No. 22 Central Square. Owned by George Southwick. Occupied by Nathan Barron as tailor. No loss. Cause, explosion in gas ironer.

Friday, August 15, 11.11 A. M. Box 731. No. 54 Cedar Street. Owned by Thomas Darrell as shed. No loss. Cause, rubbish set afire by children.

Saturday, August 16, 5.48 P. M. Box 453. No. 141 Putnam Avenue. Owned by Britton estate. Loss, \$12. Insurance, \$2,500. Occupied by J. H. Dixon as dwelling. Loss, \$8. No insurance. Cause, dropping match on mattress.

Sunday, August 17, 1.45 A. M. Still alarm. No. 36 Austin Street. Owned by J. Bullard. Loss, \$35. Insurance, \$4,000. Occupied by H. L. Tripp as dwelling. Loss, \$35.20. Insurance, \$1,000. Cause, smoking in bed.

Sunday, August 17, 8.00 A. M. Still alarm. Huron Avenue. Electric street car.

Sunday, August 17, 12.26 P. M. Box 23. No. 56 Webster Avenue. Owned by Ferry Bros. Loss, trifling. Occupied by N. Chivico as shoemaker. No loss. Cause, careless use of candle in closet.

Tuesday, August 19, 3.05 P. M. Still alarm. Brookline Street. Grass fire.

Wednesday, August 20, 6.05 P. M. Still alarm. Erie Street. Dump fire.

Thursday, August 21, 1.32 A. M. Box 19. False alarm.

Thursday, August 21, 2.20 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 23.

Thursday, August 21, 10.45 P. M. Still alarm. No. 353 Massachusetts Avenue. Owned by Lamson estate as dwelling. No loss. Cause, chimney fire.

Friday, August 22, 8.05 A. M. Box 16. No. 180 Third Street. Owned by Fahey estate. Loss, \$80. Insurance, \$2,000. Occupied by Mary Alves as dwelling. Cause, sparks on roof.

Friday, August 22, 7.04 P. M. Box 311. No. 38 Brookline Street. Owned by Jessie Wilcox. Loss, \$13. Insurance, \$3,000. Occupied by Samuel Jenkins as dwelling. Loss, \$19. Insurance, \$600. Cause, curtain on gaslight.

Friday, August 22, 7.59 P. M. Box 311. No. 48 Brookline Street. Owned by A. V. Jones. Loss, \$225. Insurance, \$2,500. Occupied by A. V. Jones as dwelling. Loss, \$68.25. Insurance, \$800. Cause, dropping fire on bed.

Wednesday, August 27, 10.28 A. M. Box 342. No. 273 Brookline Street. Owned and occupied by J. H. Cunningham as dwelling. Loss, \$35. Insurance, \$10,000. Cause, pan of fat on stove took fire.

Wednesday, August 27, 8.35 P. M. Accidental automatic from Blanchard's machine shop.

Wednesday, August 27, 5.45 P. M. Box 27. No. 708 Main Street. Owned by Endicott Building Association as factory. No loss. Cause, fire in shavings in boiler room.

Friday, August 29, 6.06 P. M. Box 291. No. 493 Windsor Street. Owned by Louis Ruben. No loss. Occupied by Nathan Alpert as dwelling. Loss, \$5. No insurance. Cause, candle set fire to table cover.

Friday, August 29, 8.45 P. M. Box 391. No. 69 Brookline Street. Owned by W. H. Lynch. Loss, \$15. Insurance, \$900. Occupied by Eliza McGlory as dwelling. Loss, \$10. No insurance. Cause, upset lamp.

Sunday, August 31, 5.41 P. M. Box 195. No. 1 Squires Court. Owned by Squires estate as dwelling. No loss. Cause, sparks on roof.

### September

Tuesday, September 2, 9.45 A. M. Box 18. No. 223 Charles Street. Owned by Harry Rias as dwelling. No fire. Cause, smoke from chimney in room.

Wednesday, September 3, 2.44 P. M. Box 25. Third Street. Occupied by Kendell Drug Co. Cause, rubbish in yard set afire by children.

Wednesday, September 3, 9.04 P. M. Still alarm. No. 84 First Street. Owned by John T. Scully. No loss. Occupied by H. Butters as metal worker. No loss. Cause, oily rags in barrel in yard.

Wednesday, September 3, 11.55 P. M. Box 291. Rear 346 Norfolk Street. Owned by Catherine Murphy as dwelling. No loss. Cause, hot ashes in barrel.

Thursday, September 4, 5.26 P. M. Box 381. Rear 234 Western Avenue. Owned by Israel Nissen as dwelling. Cause, burning rubbish in yard.

Friday, September 5, 10.55 P. M. Box 215. No. 815 Cambridge Street. Owned by T. A. Gannon. Loss, \$350. Insurance, \$1,000. Occupied by N. Levey as stable. Loss, \$280. Insurance, \$500. Cause, careless smoking in loft.



Sunday, September 7, 11.31 P. M. Box 29. No. 295 Prospect Street. Owned by Henry Rosen. Loss, \$969.50. Insurance, \$6,000. Occupied by W. A. Coughlin as garage. Loss, \$350. No insurance. Cause, spontaneous in oily rags.

Monday, September 8, 2.40 P. M. Box 472. No. 11 Quincy Street. Owned by Harvard College. No loss. Occupied by G. H. Palmer as dwelling. No loss. Cause, hot ashes in barrel.

Monday, September 8, 6.23 P. M. Box 483. No. 104 Irving Street. Owned by Edward Cummings as summer house. Loss, \$150. Insurance, \$10,000. Cause, smoking cigarettes.

Tuesday, September 9, 4.36 A. M. Box 295. No. 267 Columbia Street. Owned by Elma Bright as stable. No loss. Cause, smoking in loft.

Tuesday, September 9, 1.55 P. M. Ladder No. 2 responded to Somerville Box 23.

Tuesday, September 9, 1.59 P. M. Still alarm. Albany and Osborn Streets. Rubbish set afire by boys.

Tuesday, September 9, 9.12 P. M. Still alarm. Bristol and Portland Streets. Pile of logs set by boys.

Thursday, September 11, 11.25 A. M. Box 381. No. 22½ Western Avenue. Owned by John Merrick as ash barrel house. Loss, \$25. Insurance, \$6,000. Cause, hot ashes in barrel.

Thursday, September 11, 7.02 P. M. Box 134. No. 1 Thorndike Street. Owned by Irvin & Casson. Occupied by J. H. Gerlash as mill. No loss. Cause, shaving in blow pipe.

Friday, September 12, 7.25 A. M. Still alarm. No. 5 Mifflin Place. Owned by Delaney heirs as dwelling. Cause, smoke from chimney.

Saturday, September 13, 9.50 A. M. Box 27. No. 30 School Street. Owned by Brooks estate. No fire. Cause, gas pipe leaking.

Saturday, September 13, 10.20 P. M. Box 39. No. 22 Western Avenue. Owned by George Southwick. Loss, \$10. Insurance, \$4,000. Occupied by N. Barron as tailor shop. Loss, \$100. Insurance, \$1,000. Cause, careless dropping cigarette on cloth.

Sunday, September 14, 1.40 A. M. Box 741. No. 477 Rindge Avenue. Owned by McCool estate as unoccupied dwelling. Loss trifling. Cause, incendiary.

Sunday, September 14, 4.20 P. M. Box 18. No. 234 Vine Street. Owned by T. F. Taft as dwelling. No fire. Cause, smoke from stove.

Sunday, September 14, 5.10 P. M. Ladder No. 2 and Engine No. 3 assistance to Somerville.

Sunday, September 14. 10.30 P. M. Ladder No. 2 responded to Somerville Box 23.

Wednesday, September 17, 5.32 P. M. Box 783. Madison Avenue. Grass fire.

Wednesday, September 17, 8.19 P. M. Box 682. Garden and Walden Streets. Owned by N. E. Brick Co. as unoccupied stable. No loss. Cause, incendiary.

Wednesday, September 17, 9.05 P. M. False alarm.

Thursday, September 18, 11.16 P. M. Box 684. No. 105 Richdale Avenue. Owned and occupied by A. H. Hews Co. as pottery. Loss trifling. Cause, wood over kiln took fire.

Friday, September 19, 11.52 P. M. Box 372. Blackstone Street. Owned by Cambridge Electric Light Co. Loss, \$1,151.71. Insurance, \$20,000. Occupied by Cambridge Electric Light Co. as garage. Loss, \$3,869. Insurance, \$7,250. Cause, automobile took fire from overcharged battery.

Tuesday, September 23, 8.10 P. M. Still alarm. No. 2 Boylston Street. Owned by Read estate as grocery. Loss, trifling. Cause, fire on awning.

Thursday, September 25, 7.40 P. M. Box 416. No. 16 Leonard Avenue. Owned and occupied by J. W. Bradley as garage. Loss, \$950. Insurance, \$700. Cause, leaking gasoline took fire from lighted match.

Saturday, September 27, 2.24 P. M. Box 791. No. 25 Harvey Street. Owned by G. H. Howard as shed. Loss, trifling. Cause, sparks on roof.

Sunday, September 28, 11.57 A. M. Box 281. No. 189 Harvard Street. Owned by Magruder estate as dwelling. Loss, trifling. Cause, hot ashes in barrel.

Sunday, September 28, 1.59 P. M. Box 28. Elm and Harvard Streets. Automobile fire.

Sunday, September 28, 2.25 P. M. Still alarm. Off Garden Street. Bog fire.

Sunday, September 28, 3.58 P. M. Box 64. No. 38 Concord Avenue. Owned by Minot heirs. Loss, \$450. Insurance, \$6,000. Occupied by A. O. Fuller as dwelling. Loss, \$100. Insurance, \$1,000. Cause, mice and matches in partition.

Sunday, September 28, 4.17 P. M. Box 237. No. 185 Portland Street. Owned by Sennott estate. No loss. Cause, children set fire under steps.

Sunday, September 28, 8.46 P. M. Box 284. No. 30 Essex Street. Owned by E. P. Cushman. Loss, \$301. Insurance, \$2,500. Occupied by Catherine Lane as dwelling. Loss, \$100. Insurance, \$500. Cause, mice and matches in partition.

Monday, September 29, 12.13 A. M. Box 247. No. 123 Hastings Street. Owned by C. Weiner. Loss, \$10. Insurance, \$1,200. Occupied by I. Royster as dwelling. Loss, \$5. No insurance. Cause, dropping fire on bed.

Monday, September 29, 2.08 P. M. Box 39. No. 17 Western Avenue. Owned by S. J. Kelley. Loss, \$25. No insurance. Occupied by T. Wilson as paper hanger. Loss, \$3. No insurance. Cause, defect in chimney.

Monday, September 29, 6.23 P. M. Box 46. No. 9 Dana Street. Owned by Sarah Colburn as dwelling. Cause, chimney fire.

Monday, September 29, 8.45 P. M. Box 191. No. 170 Thorndike Street. Owned by McDonald estate. No loss. Cause, chimney fire.

Monday, September 29, 9.22 P. M. Still alarm. No. 942 Massachusetts Avenue. Owned by Miss Bernstein as dwelling. No loss. Cause, oily rags in barrel.

#### October.

Wednesday, October 1, 5.33 A. M. Box 134. No. 92 Second Street. Owned by C. J. Lima. Loss, \$30. Insurance, \$4,000. Occupied by Antonio Rose as dwelling. Loss, \$10. No insurance. Cause, oil stove exploded.

Wednesday, October 1, 12.13 P. M. Box 191. No. 73 Sixth Street. Owned by Samuel Rindge. No loss. Occupied by George Benz as dwelling. No loss. Cause, oil stove took fire.

Friday, October 3, 3.35 P. M. Still alarm. Corner Prospect and Austin Streets. Owned by City of Cambridge as kettle of tar.

Friday, October 3, 7.30 P. M. Still alarm. Off Chilton Street. Tree fire.

Saturday, October 4, 9.01 P. M. Ladder No. 2 responded to Somerville Box 23.

Sunday, October 5, 4.11 A. M. Box 85. Worthington Street. Owned and occupied by City of Cambridge as coal shed. Loss, \$3,150. No insurance. Cause, incendiary.

Sunday, October 5, 11.51 A. M. Box 291. No. 432 Columbia Street. Owned by A. R. Hyde. Loss, \$600. Insurance, \$3,000. Occupied by A. R. Hyde as slipper factory. Loss, \$2,750. Insurance, \$7,000. Cause, rubber cement took fire by friction.

Sunday, October 5, 3.09 P. M. Box 191. No. 1 Spring Street Place. Owned by T. Kelley as dwelling. No fire. Smoke from stove.

Sunday, October 5, 5.37 P. M. Still alarm. Landsdown Street. Dump fire.



Tuesday, October 7, 2.39 A. M. Box 291. No. 456 Columbia Street. Owned by Lois Fienstein as unoccupied dwelling. Loss, \$2,360. Insurance, \$2,500. Cause, incendiary.

Wednesday, October 8, 2.27 P. M. Still alarm. Massachusetts Avenue. Owned and occupied by North Avenue Baptist Church. No fire. Smoke from stove.

Thursday, October 9, 2.32 P. M. Box 17. No. 205 Sixth Street. Owned and occupied by Standard Oil Co. as storage. Loss trifling. Cause, clothing on heater took fire.

Monday, October 13, 12.34 P. M. Still alarm. No. 146 Willow Street. Owned and occupied by Ida Savrensky as dwelling. No fire. Smoke from stove.

Monday, October 13, 3.50 P. M. Still alarm. No. 104. Irving Street. Owned and occupied by E. R. Scheier as dwelling. Cause, dust on furnace pipes.

Monday, October 13, 4.45 P. M. Box 39. No. 639 Massachusetts Avenue. Owned by J. H. Corcoran. No fire. Steam from open valve.

Monday, October 13, 6.37 P. M. Box 49. No. 83 Trowbridge Street. Owned by Lewis Levery as dwelling. No loss. Cause, cloth on hot air pipe took fire.

Monday, October 13, 7.55 P. M. Box 16. False alarm.

Tuesday, October 14, 2.55 P. M. Box 24. False alarm.

Tuesday, October 14, 9.23 P. M. Still alarm. No. 116 Inman Street. Owned by Thomas O'Brien as dwelling. No fire. Smoke from stove.

Wednesday, October 15, 8.12 P. M. Box 191. No. 75 Seventh Street. Owned and occupied by John Ciampison as dwelling. No loss. Cause, towels on line over stove took fire.

Thursday, October 16, 1.26 A. M. Box 19. No. 181 Otis Street. Owned by Frank Furie. Loss, \$75. Insurance, \$4,000. Occupied by M. Aviakan as dwelling. Loss, \$200. Insurance, \$500. Cause, rats and matches in rubbish.

Thursday, October 16, 10.09 A. M. Box 346. No. 15 Tudor Street. Owned by W. C. Thierwall. Occupied by E. V. Littlefield as factory. No loss. Cause, sparks from emery wheel on paint.

Thursday, October 16, 7.45 P. M. Still alarm. Central Square. Electric car.

Thursday, October 16, 7.57 P. M. Still alarm. No. 603 Massachusetts Avenue. Owned by Pratt estate. No loss. Cause, chimney fire.

Friday, October 17, 11.08 A. M. Box 61. No. 38 Baldwin Street. Owned by E. Gormley estate. Occupied by J. J. Weldon as dwelling. No loss. Cause, stove rags in closet.

Friday, October 17, 7.15 P. M. Box 49. Cambridge Street electric car collided with express wagon.

Saturday, October 18, 6.14 P. M. Still alarm. No. 20 Prescott Street. Owned by University Associates as clubhouse. Chimney fire.

Sunday, October 19, 3.37 P. M. Box 236. False alarm.

Sunday, October 19, 5.40 P. M. Box 84. False alarm.

Monday, October 20, 6.40 P. M. Still alarm. No. 171 Hancock Street. Owned by A. L. Henderstadt. Occupied by T. J. Darcey as dwelling. No loss. Cause, meat burning on stove.

Tuesday, October 21, 10.47 P. M. Box 281. No. 300 Broadway. Owned by L. J. Russell. Loss, 30. Insurance, \$6,000. Occupied by G. A. Christopher Co. as ammonia bottling. Loss, 90. Insurance, \$900. Cause, careless dropping fire on bench.

Wednesday, October 22, 6.35 P. M. Box 191. False alarm.

Friday, October 24, 6.45 A. M. Still alarm. No. 19 Buckingham Street. Owned and occupied by I. Bowditch as dwelling. Cause, chimney fire.

Friday, October 24, 11.25 P. M. Box 723. No. 6 Rice Street. Owned by David Lonergan. Loss, trifling. Occupied by Elizabeth Munhall as dwelling. Loss, \$50. Insurance, \$1,000. Cause, incendiary.

Monday, October 27, 2.20 P. M. Engine No. 5 responded to Somerville Box 219.

Wednesday, October 29, 2.10 P. M. Still alarm. No. 304 Green Street. Owned by Cambridge Lodge of Elks. Occupied by B. Hamilton as dwelling. Cause, explosion of gas stove.

Wednesday, October 29, 8.36 P. M. Box 691. Massachusetts Avenue near Linnaean Street. Owned by D. O. Lothrop as automobile garage. Loss, \$400. Insurance, \$500. Cause, back fire.

Thursday, October 30, 7.55 P. M. Box 134. No. 140 First Street. Owned by Independent Bundle Wood Co. Loss, trifling. Cause, pile of wood set afire by boys.

Friday, October 31, 10.39 A. M. Box 94. Off Bird Street. Grass fire.

Friday, October 31, 7.33 P. M. Box 233. No. 3 Dickinson Street. Owned by Finnery estate. Loss, \$30. Insurance, \$2,000. Cause, sparks from chimney on roof.

Friday, October 31, 8.03 P. M. Box 16. Third street. Owned and occupied by Knowles & Blake as foundry. Cause, smoke from ovens.

Friday, October 31, 8.59 P. M. Box 192. No. 138 Otis Street. Owned and occupied by Hugh Mooney as dwelling. Loss, trifling. Cause, curtain on jack o'lantern.

Friday, October 31, 9.55 P. M. Box 84. False alarm.

### November.

Saturday, November 1, 12.45 A. M. Box 16. No. 125 Clark Street. Owned by Catherine Smith as unoccupied dwelling. Loss, \$750. Insurance, \$1,000. Cause, careless workmen leaving fire.

Saturday, November 1, 1.25 P. M. Still alarm. First Street. Owned by Conley & Co., as paper on wagon.

Saturday, November 1, 2.05 P. M. Still alarm. Magazine Street. Dump fire.

Saturday, November 1, 7.10 P. M. Still alarm. No. 140 First Street. Owned by Independent Bundle Wood Co. as wood pile. Loss, trifling. Cause, set afire by boys.

Saturday, November 1, 10.47 P. M. Box 39. No. 281 Green Street. Owned by Holmes estate. No loss. Occupied by A. C. Matthews as hay storage. Loss, \$50. Insurance, \$400. Cause, careless smoking.

Monday, November 3, 11.16 A. M. Box 432. No. 406 Franklin Street. Owned by Thomas Lovett. Loss, \$225. Insurance, \$1,500. Occupied by Thomas Lovett as dwelling. Loss \$42.25. Insurance, \$300. Cause, defect in chimney.

Monday, November 3, 5.36 P. M. Box 342. No. 272 Sidney Street. Owned by J. D. Bachelder. No loss. Occupied by C. Douglass as dwelling. Loss, \$5. Insurance, \$300. Cause, curtain on gas light.

Tuesday, November 4, 6.31 P. M. Box 381. No. 215 River Street. Owned and occupied by Richardson estate. Loss, \$525. No insurance. Cause, unknown. Fire in second-hand furniture storage.

Wednesday, November 5, 4.49 P. M. Box 192. False alarm.

Wednesday, November 5, 8.46 P. M. Box 381. No. 25 Jay Street. Owned by J. O. Cradet as dwelling. Cause, chimney fire.

Thursday, November 6, 10.25 A. M. Still alarm. Brookline Street. Owned by Nathan Saltman as automobile garage. Loss, trifling.



Thursday, November 6, 5.20 P. M. Box 32. Albany Street. Cause, electric transformer on pole.

Friday, November 7, 8.31 A. M. Still alarm. No. 317 Charles River Road. Owned and occupied by J. J. Scully as dwelling. Loss, trifling. Cause, careless dropping fire in wood in cellar.

Friday, November 7, 5.20 P. M. Still alarm. Erie Street. Dump fire.

Friday, November 7, 9.46 P. M. Box 512. Palmer Street. Rubbish on vacant lot.

Saturday, November 8, 1.30 P. M. Box 134. No. 1 Thorndike Street. Owned by Irving & Casson as mill. No loss. Cause, dust on pulley.

Saturday, November 8, 4.50 P. M. Still alarm. No. 100 Mt. Auburn Street. Owned by Delaney & O'Hara. Occupied by W. H. Davis as dwelling. No loss. Cause, children set fire to rubbish in cellar.

Monday, November 10, 7.21 P. M. Box 49. No. 102 Trowbridge Street. Owned by M. T. Dana. Loss, \$2,821. Insurance, \$13,000. Occupied by Joseph Barry as dwelling. Loss, \$500. Insurance, \$1,500. Occupied by R. McKenzie. Loss, \$450. No insurance. Occupied by J. J. Sinclair. Loss, \$99.15. Insurance, \$1,500. Occupied by Walter Nichols. Loss, \$140.85. Insurance, \$500. Cause, fire in cellar. Supposed incendiary.

Tuesday, November 11, 3.20 A. M. Still alarm. No. 102 Trowbridge Street. Owned by M. T. Dana. Occupied by Alva Rockwood as dwelling. Loss, \$100. Insurance, \$600. Cause, incendiary. Fire on window shades in three rooms.

Wednesday, November 12, 12.21 P. M. Box 215. Corner Cambridge and Portland Streets. Owned by Walker and Pratt as auto truck. Loss, trifling.

Thursday, November 13, 8.43 P. M. Box 453. False alarm.

Friday, November 14, 7.31 P. M. Box 21. No. 146 Willow Street. Owned and occupied by I. Sewensky as dwelling. No fire. Cause, reflection from gas light mistaken for fire.

Saturday, November 15, 11.35 A. M. Still alarm. No. 427 Massachusetts Avenue. Owned and occupied by Grace M. E. Church. Cause, dust on hot air pipe.

Saturday, November 15, 4.58 P. M. Box 84. Concord Avenue. Owned and occupied by N. E. Brick Co. as blacksmith shop. No loss. Cause, hot iron on floor.

Sunday, November 16, 1.45 A. M. Still alarm. Corner Bristol and Portland Street. Dump fire.

Monday, November 17, 7.33 A. M. Engine No. 5 responded to Somerville Box 226.

Monday, November 17, 2.30 P. M. Box 31. No. 46 Sidney Street. Owned by L. M. Hannan. Loss, \$175. Insurance, \$2,500. Occupied by George Kneeland as dwelling. Loss, \$100. Insurance, \$1,000. Cause, clothes over stove took fire.

Monday, November 17, 7.47 P. M. Box 381. No. 21 Howard Street. Owned by Israel Nisson. Loss, \$60. Insurance, \$5,000. Occupied by David Norris as dwelling. Loss, \$25. Insurance, \$1,000. Cause, candle set fire to curtain.

Tuesday, November 18, 6.18 A. M. Box 23. No. 40 Bristol Street. Owned by Edith Condsky. Loss, \$650. Insurance, \$3,500. Occupied by Max Sheyer as dwelling. Loss, \$325. Insurance, \$400. Cause, careless dropping fire in water closet.

Tuesday, November 18, 4.55 P. M. Still alarm. Fire in Brighton.

Wednesday, November 19, 8.10 P. M. Still alarm. 145 Broadway. Owned and occupied by Henry Thayer Co. as laboratory. Loss, trifling. Cause, dropping fire on oily floor.

Friday, November 21, 5.28 A. M. Box 79. No. 2360 Massachusetts Avenue. Owned by Frank Viano. Loss, \$1,450. Insurance, \$2,000. Occupied by M. Rogers as bakery. Loss, \$600. Insurance, \$2,700. Occupied by M. Rogers as dwelling. Loss, \$325. Insurance, \$500. Cause, fat on stove took fire.

Saturday, November 22, 11.30 A. M. Box 9. No. 633 Concord Avenue. Owned by M. S. Mahady as unoccupied shed. Loss, trifling. Cause, children with matches.

Saturday, November 22, 6.15 P. M. Box 381. No. 19 Howard Street. Owned by Israel Nisson. No loss. Occupied by Myer Rotfarb as dwelling. Loss, trifling. Cause, match thrown on table cover.

Saturday, November 22, 12.03 P. M. Box 453. False alarm.

Sunday, November 23. 4.42 P. M. Still alarm. Vassar Street. Dump fire.

Tuesday, November 25, 8.37 P. M. Engine No. 5 responded to Somerville Box 26.

Wednesday, November 26, 1.45 P. M. Still alarm. Massachusetts Avenue near Harvard Bridge. Owned by Warren Bros. as automobile.

Wednesday, November 26, 6.07 P. M. Engine No. 5. False call by children.

Wednesday, November 26, 7.28 P. M. Box 15. No. 151 First Street. Owned by Bertha Conlan. No loss. Occupied by John Feeney as stable. Loss trifling. Cause, careless smoking.

Thursday, November 27, 11.39 A. M. Box 162. Second and Charles Streets. Owned by John Williams as unoccupied shed. Loss, trifling. Cause, set afire by boys.

Thursday, November 27, 12.02 P. M. Box 29. No. 400 Norfolk Street. Owned by B. Roseman. Loss, \$60. Insurance, \$1,250. Occupied by I. Graff as dwelling. Loss, \$65. No insurance. Cause, careless throwing match on dress.

Thursday, November 27, 12.49 P. M. Still alarm. Farrar Street. Grass fire.

Thursday, November 27, 4.20 P. M. Still alarm. Commercial Avenue. Fence fire.

Thursday, November 27, 11.02 P. M. Ladder No. 2 responded to Somerville Box 23.

Friday, November 28, 6.40 A. M. Still alarm. No. 22 Beach Street. Owned by F. W. Esteven. Loss, \$2,000. Insurance, \$3,250. Occupied by J.

T. Cummings as dwelling. Loss, \$500. Insurance, \$800. Cause, rats in partition.

Friday, November 28, 7.08 A. M. Still alarm. No. 80 Bolton Street. Owned by Monahan heirs. Loss, \$16. Insurance, \$300. Occupied by C. Monahan as dwelling. Loss, \$50. No insurance. Cause, child set fire to bed.

Friday, November 28, 5.30 P. M. Still alarm. No. 325 Elm Street. Owned by Abe Cohen as dwelling. No fire. Cause, smoke from stove.

Saturday, November 29, 6.44 P. M. Box 347. False alarm.

Sunday, November 30, 3.20 P. M. Still alarm. No. 136 Sherman Street. Owned by Callahan estate. No fire. Smoke mistaken for fire.

Sunday, November 30, 6.19 P. M. Box 23. False alarm.

### December.

Monday, December 1, 9.58 P. M. Ladder No. 2 responded to Somerville Box 23.

Tuesday, December 2, 6.00 P. M. Box 432. False alarm.

Wednesday, December 3, 11.05 A. M. Still alarm. No. 6 Buckingham Street. Owned by F. B. Newhall. Occupied by Arthur Pope as dwelling. Chimney fire.



Wednesday, December 3, 7.07 P. M. Box 12. No. 225 Cambridge Street. Owned by G. A. Dearborn. Loss, \$300. Insurance, \$8,000. Occupied by J. Hanapolsky as clothing factory. Loss, \$1,250. Insurance, \$5,000. Cause, careless smoking.

Thursday, December 4, 4.43 P. M. Box 783. No. 2542 Massachusetts Avenue. Owned by T. J. Scanlan. Loss, \$385. Insurance, \$2,500. Occupied by F. G. May as garage. Loss, \$75. No insurance. Cause, careless use of lantern near leaking gasoline.

Friday, December 5, 4.37 P. M. Still alarm. Sidney Street. Bonfire.

Sunday, December 7, 4.26 P. M. Box 723. No. 14 Woodbridge Street. Owned by D. J. Callahan. Loss, \$20. Insurance, \$5,000. Occupied by D. J. Callahan as dwelling. Loss, \$25. Insurance, \$1,500. Cause, child playing with matches.

Sunday, December 7, 9.52 P. M. Still alarm. No. 526 Massachusetts Avenue. Owned by A. P. Morse. No loss. Occupied by J. T. Connors as grocery. No loss. Cause, spark from heater on old broom.

Sunday, December 7, 10.19 P. M. Box 453. False alarm.

Tuesday, December 9, 4.19 A. M. Box 121. No. 186 Bridge Street. Owned by Wm. Shilosky as unoccupied dwelling. Loss, \$500. Insurance, \$3,300. Cause, incendiary.

Tuesday, December 9, 8.21 A. M. Box 18. No. 110 Fourth Street. Owned by Jean Roza. Loss, \$60. Insurance, \$1,000. Occupied by Jean Roza as dwelling. Loss, \$100. No insurance. Cause, careless use of fire in closet.

Tuesday, December 9, 1.16 P. M. Box 434. False alarm.

Tuesday, December 9, 6.48 P. M. Still alarm. Broadway near Maple Avenue. Owned by Craft's Express Co. as auto truck. Loss, \$100. No insurance. Cause, back fire.

Wednesday, December 10, 1.30 P. M. Still alarm. Sidney Street. Dump fire.

Thursday, December 11, 9.32 P. M. Box 27. No. 80 State Street. Owned by Blacker and Shepard. Loss, \$1,100. Insurance, \$15,300. Occupied by C. S. Newcomb as factory. Loss, \$96. Insurance, \$200. Occupied by D. F. Scranton. Loss, \$184. Insurance, \$200. Occupied by E. Langerquist. Loss, \$100. No insurance. Occupied by J. Kaplan Co. Loss, \$50. Insurance, \$4,000. Cause, fire in clothing in engine room locker.

Friday, December 12, 4.25 P. M. Box 42. No. 16 Highland Street. Owned by George Howard. No loss. Cause, burning brush in yard.

Friday, December 12, 5.08 P. M. Still alarm. No. 5 Follen Street. Owned and occupied by W. Goodwin as dwelling. Cause, chimney fire.

Sunday, December 14, 6.50 A. M. Box 295. Hampshire Street. Owned by Mr. Pearlman. No loss. Occupied by T. Yancy as stable. No loss. Cause, tramp smoking set fire to burlap in wagon.

Monday, December 15, 2.00 A. M. Box 27. No. 607 Main Street. Owned by Rogers estate. Loss, \$600. Insurance, \$8,000. Occupied by Hyman Dokton as dwelling. Loss, \$15. Insurance, \$500. Occupied by M. Hawdler. Loss, \$30. Insurance, \$400. Occupied by Charles Kruline. Loss, \$25. No insurance. Occupied by Draper and Bates. Loss, \$35. Insurance, \$800. Cause, rats in partition.

Monday, December 15, 3.15 A. M. Still alarm. No. 477 Rindge Avenue. Owned by McCool estate as unoccupied dwelling. Loss, trifling. Cause, set by tramps.

Monday, December 15, 5.45 P. M. Box 12. No. 194 Bridge Street. Owned by Marion Travers. Loss, \$25. Insurance, \$4,000. Occupied by Mary Travers as dwelling. No loss. Cause, child set fire to rubbish in attic.

Tuesday, December 16, 5.00 P. M. Engine No. 4 responded to Somerville Box 427.

Tuesday, December 16, 5.09 P. M. False telephone call.

Wednesday, December 17, 1.26 P. M. Box 74. No. 9 Van Norden Street. Owned by George Williams. Loss, \$25. Insurance, \$2,500. Occupied by J. O. Sangster as dwelling. No loss. Cause, child set fire in wood box.

Wednesday, December 17, 5.50 P. M. Box 75. Off Rindge Avenue. Owned by New England Brick Co. as unoccupied dwelling. No loss. Cause, sparks from locomotive.

Wednesday, December 17, 7.15 P. M. Still alarm. No. 47 Henry Street. Owned and occupied by M. P. Brockway as dwelling. Cause, chimney fire.

Wednesday, December 17, 9.05 P. M. Still alarm. Pleasant Street. Dump fire.

Friday, December 19, 12.19 A. M. Box 75. Rindge Avenue. Owned by L. Lavelle. Loss, \$90. Insurance, \$500. Occupied by L. Lavelle as broom factory. Loss, \$188. Insurance, \$1,200. Cause, sparks from stove on broom stock.

Friday, December 19, 4.44 A. M. Box 481. Harvard yard. Owned by Harvard College. Loss, \$70. Insurance, \$67,500. Occupied by students as dormitory. No loss. Cause, spontaneous in oily rags.

Friday, December 19, 7.23 P. M. Still alarm. No. 10 Kenwood Street. Owned by G. S. Chipman as dwelling. No fire. Smoke from defect in chimney.

Friday, December 19, 7.56 P. M. Box 481. Harvard Yard. Owned by Harvard College. No fire. Drying plaster in building being constructed.



Saturday, December 20, 12.05 P. M. Box 783. False alarm.

Sunday, December 21, 4.50 A. M. Box 74. Off Concord Avenue. Owned by B. & M. R. R. as freight cars. Loss, \$1,240. Insurance, \$1,240. Occupied by B. & M. R. R. Loss, \$3,300. Insurance, \$3,300. Cause, explosion of gas tanks.

Monday, December 22, 4.44 P. M. Box 15. No. 200 First Street. Owned and occupied by Adolph Sommer as viscol factory. Loss, \$50. No insurance. Cause, explosion of naphtha by breaking electric lamp. Two men killed.

Tuesday, December 23, 12.39 A. M. Box 21. No. 153 Vine Street. Owned by J. Andelman. Loss, \$510. Insurance, \$2,500. Occupied by Wm. Magosky as dwelling. Loss, \$50. No insurance. Cause, rats in partition.

Tuesday, December 23, 3.25 A. M. Box 86. No. 188 Larch Road. Owned by M. E. Cornstalk. Loss, \$503. Insurance, \$5,500. Occupied by Victor Pratt as dwelling. Loss, \$162.50. Insurance, \$1,000. Occupied by M. Hurley. Loss, \$115. Insurance, \$1,500. Cause, careless dropping fire in barrel in cellar.

Tuesday, December 23, 3.20 P. M. Still alarm. No. 3 Langdon Square. Owned by David Brewer. No loss. Occupied by Frank Thomas as dwelling. No loss. Cause, hot ashes in barrel.

Wednesday, December 24, 2.46 P. M. Box 311. No. 12 Brookline Street. Owned by A. S. Carver. Loss, \$30. Insurance, \$2,000. Occupied by Gaston Wilder as dwelling. Loss, \$50. No insurance. Cause, defect in furnace pipe.

Wednesday, December 24, 6.29 P. M. Box 45. No. 90 Banks Street. Owned by Mary Sullivan as dwelling. No loss. Cause, chimney fire.

Thursday, December 25, 5.46 P. M. Box 23. No. 123 Webster Avenue. Owned by John Travers. Loss, \$20. Insurance, \$7,000. Occupied by Patrick Lane as dwelling. Loss, \$50. No insurance. Cause, child with match in closet.

Friday, December 26, 12.00 P. M. Box 78. No. 2456 Massachusetts Avenue. Owned by Clark Brothers. Loss, \$40. Insurance, \$5,500. Occupied by J. Gatterman as hardware. Loss, \$56. Insurance, \$3,000. Cause, careless dropping fire in rubbish in cellar.

Saturday, December 27, 5.43 A. M. Still alarm. No. 706 Massachusetts Avenue. Owned by Annie Southwick. Loss, \$25. Insurance, \$5,000. Occupied by Howard Stearns as photograph supplies. No loss. Cause, oil stove.

Sunday, December 28, 9.03 A. M. Still alarm. Central Square. Electric car.

Tuesday, December 30, 7.23 A. M. Box 14. No. 182 Third Street. Owned by Frank Fahey. Loss, \$53. Insurance, \$3,000. Occupied by Mary Sousa as dwelling. Loss, \$35. Insurance, \$1,000. Cause, decorations on altar took fire from candle,



Wednesday, December 31, 11.45 A. M. Box 21. No. 72 Willow Street. Owned by David Carroll as dwelling. No loss. Cause, child set fire to rubbish.

Wednesday, December 31, 4.45 P. M. Still alarm. Off Albany Street. Railroad ties.

Wednesday, December 31, 6.15 P. M. Still alarm. No. 15 Sumner Road. Owned by H. Jerris. Loss, \$100. Insurance, \$3,000. Occupied by M. W. Mason as dwelling. Loss, \$250. Insurance, \$1,000. Cause, gas light on paper on ceiling.

### January.

Thursday, January 1, 5.10 P. M. Still alarm. No. 14 Kirkland Street. Owned and occupied by N. Van Horsen as dwelling. No fire. Cause, smoke around fireplace.

Thursday, January 1, 5.18 P. M. Still alarm. No. 233 Western Avenue. Owned by Cambridgeport Land Co. Occupied by D. Nobili as dwelling. Cause, chimney fire.

Thursday, January 1, 8.09 P. M. Still alarm. No. 61 Sixth Street. Owned and occupied by Sarah Toomey as dwelling. Cause, chimney fire.

Friday, January 2, 9.30 A. M. Still alarm. No. 92 Brattle Street. Owned and occupied by E. F. Carey as dwelling. Cause, chimney fire.

Friday, January 2, 12.37 P. M. Box 783. No. 1227 Massachusetts Avenue. Owned by Dunbar & Nutter. No loss. Occupied by Albert Nash as dwelling. Loss, trifling. Cause, oil stove upset.

Friday, January 2, 4.05 P. M. Box 342. No. 63 Henry Street. Owned by William Derby. Loss, \$50. Insurance, \$7,000. Occupied by Ernest Strauss as dwelling. No loss. Cause, careless dropping fire in cellar.

Friday, January 2, 5.02 P. M. Still alarm. No. 52 Portland Street. Owned by Rogers estate as dwelling. Cause, chimney fire.

Friday, January 2, 5.58 P. M. Box 75. Rindge Avenue Cemetery. Grass fire.

Friday, January 2, 6.55 P. M. Box 434. No. 474 Franklin Street. Owned by E. Brennan. Loss, \$20. Insurance, \$600. Occupied by J. Donahue as dwelling. Loss, \$10. No insurance. Cause, defect in chimney.

Saturday, January 3, 11.55 P. M. Still alarm. No. 101 Gove Street. Owned by Warren, Bert & Palmer. Loss, \$25. Insurance, \$10,000. Occupied by P. Stubida as dwelling. Cause, on sill of house. Cause, unknown.

Sunday, January 4, 2.21 A. M. Box 13. Bridge Street. Owned and occupied by Boston Elevated Railway as watch house. Loss, trifling. Cause, stovepipe set fire to roof.

Monday, January 5, 3.24 P. M. Box 95. Fire on Oxford Avenue, Belmont.

Monday, January 5, 5.44 P. M. Still alarm. No. 557 Franklin Street. Owned by James Kilhane. Occupied by Catherine McGrath as dwelling. Cause, chimney fire.

Monday, January 5, 10.28 P. M. Box 27. No. 76 Windsor Street. Owned by George Giles. Loss, \$150. Insurance, \$5,000. Occupied by John Cunningham as barber shop. Loss, \$65. Insurance, \$200. Cause, gas heater set fire to floor.

Tuesday, January 6, 4.25 P. M. Box 42. No. 263 Broadway. Owned by John Lynch. Loss, \$12. Insurance, \$1,000. Occupied by Margaret Lindsay as dwelling. Loss, \$22.25. Insurance, \$1,000. Cause, child set fire to draperies.

Tuesday, January 6, 4.29 P. M. Box 621. No. 41 Crescent Street. Owned and occupied by Henry F. Noon dwelling. No loss. Cause, careless dropping candle in cellar.

Tuesday, January 6, 5.35 P. M. Still alarm. Massachusetts Avenue and Langdon Street. Take cat from tree.

Tuesday, January 6, 7.30 P. M. Still alarm. Massachusetts Avenue and Hancock Street. Take cat from tree.

Tuesday, January 6, 8.30 P. M. Still alarm. Hampshire Street. City Yard. Owned by City of Cambridge. Cause, fire in coat in locker in engine room.

Tuesday, January 6, 9.45 P. M. Still alarm. No. 17 Mead Street. Owned by B. F. Rogers estate. Loss, \$20. Insurance, \$3,000. Occupied by J. P. Gray as dwelling. Loss, \$16.50. Insurance, \$500. Cause, dropping match on lounge.

Wednesday, January 7, 3.21 P. M. Still alarm. No. 52 Fourth Street. Owned by East Cambridge Savings Bank. Loss, \$40. Insurance, \$4,000. Occupied by Hosea Club as club room. No loss. Cause, match in wooden spit box.

Thursday, January 8, 5.17 P. M. Box 47. Charles River Road. Brick dormitory being constructed. Cause, steam from drying plaster.

Friday, January 9, 7.46 A. M. Box 13. East Street. Owned by B. & M. R. R. as office building. Loss, \$600. Insurance, \$2,500. Cause, explosion of gas tanks.

Friday, January 9, 12.53 P. M. Box 432. No. 455. Franklin Street. Owned and occupied by John Dignan as dwelling. Cause, smoke from stove.

Friday, January 9, 5.35 P. M. Box 12. No. 8 Fourth Street. Owned by James Giganti as dwelling. Cause, chimney fire.

Saturday, January 10, 2.20 P. M. Box 432. False alarm.

Sunday, January 11, 12.27 A. M. Box 19. False alarm.

Sunday, January 11, 3.22 P. M. Box 27. No. 21 Harrison Street. Owned by Oscar Peterson. No loss. Occupied by Wm. McCooley as dwelling. Loss, \$50. No insurance. Cause, motor cycle in cellar took fire.

Sunday, January 11, 6.45 P. M. Still alarm. No. 198 Norfolk Street. Owned by Margaret Harrington. Loss, \$65. Insurance, \$5,000. Occupied by Walter Hudson as dwelling. Loss, \$100. Insurance, \$1,000. Cause, overheated furnace pipe.

Monday, January 12, 2.27 A. M. Box 234. No. 91 Hampshire Street. Owned by Charles Simson. Occupied by R. Koope as bakery. Cause, kettle of fat boiled over.

Monday, January 12, 11 A. M. Still alarm. Near Magazine Street. Owned by B. & A. R. R. as pile of railroad ties.

Monday, January 12, 12.45 P. M. Still alarm. No. 43 Cushing Street. Owned by Edward Dorr as dwelling. Cause, chimney fire.

Tuesday, January 13, 9.10 A. M. Still alarm. No. 101 Cushing Street. Owned by Petro Crupi as dwelling. Cause, smoke from stove.

Tuesday, January 13, 10.50 A. M. Box 391. No. 34 Lopez Street. Owned by A. B. Jones. Loss, \$700. Insurance, \$3,500. Occupied by John Bowden as dwelling. Loss, \$500. Insurance, \$500. Occupied by Alfred Jackson. Loss, \$55. Insurance, \$500. Occupied by N. Austin. Loss, \$50. No insurance. Cause, rats in partition around chimney.

Tuesday, January 13, 12.10 P. M. Still alarm. No. 187 Mt. Auburn Street. Owned by John F. O'Brien as dwelling. No loss. Cause, thawing water pipes.

Tuesday, January 13, 1.40 P. M. Still alarm. No. 102 Moore Street. Owned by Doten & Dutton. No loss. Occupied by M. Griffin as dwelling. No loss. Cause, soot in fireplace.

Tuesday, January 13, 4.29 P. M. Box 84. No. 41 Sherman Street. Owned by F. X. Masee. Loss, \$20. Insurance, \$1,800. Occupied by William Griffith as dwelling. Cause, thawing water pipes.

Tuesday, January 13, 4.29 P. M. Box 84. Off Concord Avenue. Owned by N. E. Brick Co. as unoccupied shed. Cause, tramps, careless smoking.

Tuesday, January 13, 4.58 P. M. Box 236. No. 26 Berkshire Street. Owned by Mary Ryan. Loss, \$15. Insurance, \$1,000. Cause, thawing water pipes.



Tuesday, January 13, 5.35 P. M. Box 28. No. 20 Elm Street. Owned by G. W. Kelechen. Loss, \$43.37. Insurance, \$3,500. Occupied by J. L. Kenney as dwelling. Loss, \$150. Insurance, \$500. Cause, careless use of matches in clothes closet.

Tuesday, January 13, 6.32 P. M. Box 191. No. 38 Eighth Street. Owned by John McDonald. No loss. Occupied by James Katin as dwelling. No loss. Cause, thawing water pipes.

Tuesday, January 13, 7.10 P. M. Still alarm. Off Lakeview Avenue. Grass fire.

Tuesday, January 13, 7.17 P. M. Still alarm. No. 10 Craigie Street. Owned by Moses P. White. Occupied by E. Benson as dwelling. Chimney fire.

Tuesday, January 13, 9.26 P. M. Box 723. No. 52 Norris Street. Owned by Timothy O'Brien. Loss, \$2,208. Insurance, \$3,000. Occupied by T. O'Brien as dwelling. Loss, \$619. Insurance, \$1,000. Cause, defect in chimney.

Wednesday, January 14, 7.58 A. M. Box 421. No. 41 Inman Street. Owned by Lucy Dynan. Occupied by Albert Cahill as dwelling. Cause, water front in range exploded.

Wednesday, January 14, 9.10 A. M. Box 311. No. 14 Brookline Street. Owned by A. S. Caron. No loss. Occupied by Cora Cox as dwelling. Cause, water front of range exploded.

Wednesday, January 14, 9.46 A. M. Still alarm. No. 12 Union Street. Owned by F. C. Flynn as dwelling. Loss, \$10. Insurance, \$2,000. Cause, thawing water pipes.

Wednesday, January 14, 9.14 A. M. Box 483. No. 40 Kirkland Street. Owned by E. M. Brewster. Loss, \$1,000. Insurance, \$4,000. Occupied by W. A. Brewster as dwelling. Loss, \$100. Insurance, \$500. Cause, thawing water pipes.

Wednesday, January 14, 10.20 A. M. Still alarm. No. 320 Main Street. Owned and occupied by S. Rose as mill. No loss. Cause, thawing pipes.

Wednesday, January 14, 10.56 A. M. Still alarm. No. 13 Broadway. Owned by J. Burrage. No loss. Occupied by W. H. Wood as office. No loss. Cause, thawing water pipe.

Wednesday, January 14, 11.35 A. M. Still alarm. No. 7 Rindge Avenue. Owned by John Dore. Loss, 10. Insurance, \$4,500. Occupied by Harvey Titus as dwelling. Loss, \$28.40. Insurance, \$1,000. Cause, overheated smoke pipe.

Wednesday, January 14, 11.42 A. M. Still alarm. No. 2 Inman Street. Owned by Guarantee Trust Co. Occupied by Esther Shaw as dwelling. Cause smoke from oil stove.

Wednesday, January 14, 2.45 P. M. Still alarm. No. 419 Portland Street. Owned by Tilino Lapore. Loss, \$85. Insurance, \$6,500. Occupied by R. H. Davis as dwelling. Loss, \$100. No insurance. Cause, child with match in clothes closet.

Thursday, January 15, 8 P. M. Box 233. No. 105 Clark Street. Owned by T. Cunningham. Loss, \$25. Insurance, \$3,000. Occupied by Solden Vaughn as dwelling. Loss, \$35. Insurance, \$500. Cause, child set fire to bed.

Friday, January 16, 11.24 P. M. Box 381. Western Avenue. Electric car.

Friday, January 16, 5.15 M. P. Box 291. No. 948 Cambridge Street. Owned by Lewis Levey. Loss, \$60. Insurance, \$15,000. Occupied by Morris Bobsick as dwelling. Loss, \$275. Insurance, \$1,500. Cause, careless use of candle under bed.

Friday, January 16, 6.12 P. M. Still alarm. No. 1120 Cambridge Street. Owned by Wm. Delaney as ash barrel. Cause, hot ashes.

Sunday, January 18, 5.35 P. M. Still alarm. No. 53 Fenno Street. Owned by P. J. Revane. No loss. Occupied by Catherine McCarthy as dwelling. No loss. Cause, lamp upset.

Sunday, January 18, 7.53 P. M. Still alarm. Ladder No. 2 responded to Somerville Box 23.

Monday, January 19, 7.37 A. M. Box 624. No. 16-18 Bowdoin Street. Owned by W. H. Eveleth. Loss, \$3,600. Insurance, \$4,000. Occupied by M. S. Decker as dwelling. Loss, \$900. Insurance, \$1,000. Occupied by Alex Hutchinson. Loss, \$250. No insurance. Cause, defect in chimney.

Monday, January 19, 1.00 P. M. Box 191. No. 4 Spring Street Place. Owned by E. Burns. Loss, \$20. Insurance, \$500. Occupied by Julia Coveney as dwelling. Loss, \$25. No insurance. Cause, overheated stove-pipe.

Monday, January 19, 5.41 P. M. Box 291. No. 1016 Cambridge Street. Owned and occupied by Maurice Silverman as shoe store. Loss, trifling. Cause, careless dropping match in cotton in window.

Monday, January 19, 6.54 P. M. Still alarm. No. 32 Arlington Street. Owned and occupied by P. F. Bonney as dwelling. Cause, chimney fire.

Tuesday, January 20, 9.47 P. M. Still alarm. No. 245 Huron Avenue. Cause, drying plaster in building.

Wednesday, January 21, 12.02 A. M. Box 39. No. 559 Massachusetts Avenue. Owned by R. Lamson estate. Loss, \$160. Insurance, \$23,000. Occupied by Clarence Ledger as dwelling. Loss, \$200. No insurance. Cause, careless having fire in clothing in closet.



Wednesday, January 21, 3.52 P. M. Box 681. No. 15 Mead Street. Owned by W. J. Dutra. Loss, \$25. Insurance, \$5,000. Occupied by W. J. Dutra as dwelling. Loss, \$25. Insurance, \$500. Cause, spark from stove on couch.

Wednesday, January 21, 9.03 P. M. Still alarm. No. 2 Berkeley Street. Owned by J. H. Hildreth. No loss. Occupied by D. R. Dewey as dwelling. Chimney fire.

Thursday, January 22, 1.07 A. M. Box 723. No. 2307 Massachusetts Avenue. Owned by Griffin Brothers. Loss, \$2,000. Insurance, \$3,000. Occupied by Griffin Brothers as dwelling. Loss, \$1,500. Insurance, \$1,500. No. 2305 Massachusetts Avenue. Owned by George A. Parry as dwelling. Exposed to No. 2307. Loss, \$100. Insurance, \$4,000.

Thursday, January 22, 6.40 P. M. Still alarm. No. 20 Magazine Street. Owned by 20 Associates. Occupied by M. G. Long as dwelling. Loss, trifling. Cause, spark from match on curtain.

Thursday, January 22, 8.41 P. M. Box 346. No. 147 Erie Street. Owned by Harriet Pierce. Loss, \$55. Insurance, \$5,000. Occupied by John Seption as dwelling. Loss, \$50. No insurance. Cause, oil stove took fire.

Friday, January 23, 2.52 P. M. Box 27. No. 651 Main Street. Owned by G. F. Wentworth. Loss, \$23. Insurance, \$500. Occupied by Samuel Sharak as grocery store. Cause, fire from stove on floor.

Friday, January 23, 8.26 P. M. Still alarm. No. 148 Allston Street. Owned by E. A. Proctor as dwelling. Cause, odor from soot in chimney.

Saturday, January 24, 10.17 P. M. Box 791. No. 61 Harvey Street. Owned by Dix Lumber Co. Loss, \$500. No insurance. Occupied by Dix Co. as shed. Loss, \$2,488. Insurance, \$2,488. Cause, rain water slacked lime.

Sunday, January 25, 5.36 P. M. Box 237. Near Binney Street. Owned by B. & A. R. R. as freight car. Cause, rubbish in car set by boys.

Monday, January 26, 4.47 A. M. Box 29. No. 1261 Cambridge Street. Owned by M. J. Harty. Loss, \$715. Insurance, \$7,000. Occupied by H. Shutzer as fruit store. Loss, \$396. Insurance, \$600. Cause, unknown.

Monday, January 26, 11.39 A. M. Box 453. No. 145 Putnam Avenue. Owned by Henry Buxton. Loss, \$75. Insurance, \$4,500. Occupied by C. Dixon as dwelling. Loss, \$12.10. No insurance. Cause, child set fire to bed.

Monday, January 26, 5.50 P. M. Still alarm. No. 383 Portland Street. Owned by Z. Koslowski as dwelling. Loss, \$10. Insurance, \$3,500. Cause, hot ashes in box.

Tuesday, January 27, 7.20 A. M. Still alarm. Corner Gove and Sixth Streets. Cat in tree.

Tuesday, January 27, 7.53 P. M. Still alarm. No. 8 Hilliard Street. Owned by S. Batchelder as dwelling. Cause, chimney fire.



Wednesday, January 28, 11.03 P. M. Still alarm. Raymond Street. Dump fire.

Thursday, January 29, 3.03 P. M. Box 291. No. 306 Webster Avenue. Owned by E. F. Pitman. Loss, \$90. Insurance, \$2,500. Occupied by Samuel Mazer as dwelling. Loss, \$150. Insurance, \$400. Cause, child set fire in bureau.

Thursday, January 29, 11.24 P. M. Box 294. False alarm.

Friday, January 30, 9.45 A. M. Still alarm. No. 201 Elm Street. Owned by Daniel Hurley. Loss, \$14. Insurance, \$2,300. Occupied by John Brown as dwelling. Cause, overheated stovepipe.

Friday, January 30, 12.07 P. M. Still alarm. No. 218 Columbia Street. Owned by J. Sawyer as dwelling. Cause, chimney fire.

Friday, January 30, 7.45 P. M. Still alarm. Pleasant Street. Dump fire.

Friday, January 30, 9.16 P. M. Still alarm. No. 60 Kirkland Street. Owned by Flesing Brothers. No fire. Noise in heater.

Saturday, January 31, 3.40 P. M. Still alarm. Off Albany Street. Owned by B. & A. R. R. as freight car. Cause, rubbish in car.

### February.

Monday, February 2, 2.48 P. M. Ladder No. 2 responded to Somerville Box 21.

Monday, February 2, 5.08 P. M. Box 18. No. 98 Spring Street. Owned by Thomas Grace. Occupied by George McClellan as dwelling. Cause, grease on stove.

Monday, February 2, 7.24 P. M. Still alarm. No. 214 Elm Street. Owned by Albert Lynch. Loss, \$10. Insurance, \$3,500. Occupied by F. Clouthis as dwelling. Loss, \$60. No insurance. Cause, child with match in clothes closet.

Monday, February 2, 8.49 P. M. Box 282. No. 45 Pine Street. Owned by Charles Van Wie. No loss. Occupied by Howard Lowe as dwelling. Loss, trifling. Cause, cloth dropped on stove.

Thursday, February 5, 6.35 P. M. Box 79. Corner Massachusetts Avenue and Norris. Box on electric pole.

Friday, February 6, 12.53 P. M. Box 245. No. 33 Pioneer Street. Owned by Anna Killkelley. Loss, \$45. Insurance, \$800. Occupied by Anna Killkelley as dwelling. Loss, \$255.25. Insurance, \$500. Cause, mice and matches in clothes closet.

Monday, February 9, 9.42 P. M. Box 215. No. 655 Cambridge Street. Owned by Terry Quinn. Loss, \$300. Insurance, \$300. Occupied by Antonio Satori as boot blacking. Loss, \$500. No insurance. No. 657. Occupied by Terry Quinn as stove store. Loss, \$50. No insurance. Cause, dropping cigarette in rubbish.

Tuesday, February 10, 10.40 A. M. Still alarm. No. 26 Lake Street. Owned by Bishop and Saunders. Occupied by several families as dwelling. Loss, trifling. Cause, hot coal from heater in cellar.

Wednesday, February 11, 3.12 P. M. Box 421. No. 281 Harvard Street. Owned by Edward Cohen. Loss, \$50. Insurance, \$20,000. Occupied by J. L. Beunke as dwelling. No loss. Cause, painter cleaning stairs upset candle.

Wednesday, February 11, 10.44 P. M. Still alarm. No. 6 Malcomb Road. No fire. Drying plaster in new building.

Wednesday, February 11, 11.05 P. M. Box 24. No. 191 Broadway. Owned by P. Thorner. Loss, \$500. Insurance, \$5,000. Occupied by L. Zanosky as tailor. Loss, \$500. Insurance, \$1,000. Cause, careless leaving fire on cloth.

Wednesday, February 11, 11.55 P. M. Box 49. No. 2 Emmons Place. Owned by Hanna Ahearn. Loss, \$50. Insurance, \$2,200. Occupied by J. E. McPhail as dwelling. No loss. Cause, mice in partition.

Thursday, February 12, 1.53 A. M. Box 233. Second alarm, 2.01 A. M. No. 87-89 Clark Street. Owned by Arthur Robbins. Loss, \$3,100. Insurance, \$3,100. Occupied by N. Bicchini as macaroni factory. Loss, \$5,300. Insurance, \$6,500. Cause, unknown. No. 91 Clark Street. Owned by Arthur Robbins. Loss, \$800. Insurance, \$1,500. Occupied by George Mullax as dwelling. Loss, \$150. Insurance, \$500. Cause, exposure to No. 89.

Thursday, February 12, 9.45 A. M. Still alarm. No. 22 Church Street. Owned and occupied by Harvard College as storage. Cause, sparks on roof.

Thursday, February 12, 11.29 A. M. Still alarm. No. 15 Farwell Place. Owned by Moon and Hadley. Occupied by Joseph Fitzgerald as dwelling. Cause, water front of stove exploded.

Thursday, February 12, 3.15 P. M. Still alarm. No. 34 Ash Street. Owned by Grace Stevens. Loss, \$40. Insurance, \$2,500. Occupied by Joseph Kirby as dwelling. Cause, thawing water pipes.

Thursday, February 12, 3.45 P. M. Engine No. 4 called to assist Arlington.

Thursday, February 12, 5.28 P. M. Box 18. No. 296 Vine Street. Owned and occupied by William Brothers as grocery store. No loss. Cause, thawing water pipes.

Thursday, February 12, 9.58 P. M. Box 19. No. 45 Fifth Street. Owned by Aldrich estate. Occupied by Tony Zok as grocery store. Loss, trifling. Cause, overheated stove pipe.



Friday, February 13, 8.09 A. M. Box 434. No. 576. Green Street. Owned and occupied by Nettie Osborn as dwelling. No loss. Cause, thawing water pipes.

Friday, February 13, 3.34 P. M. Box 741. No. 99 Reed Street. Owned by Michael Murphy. Loss, \$70. Insurance, \$2,050. Occupied by Edward Curtis as dwelling. Loss, \$35. Insurance, \$1,000. Cause, upset lamp.

Friday, February 13, 6.40 P. M. Box 347. No. 60 Brookline Street. Owned by E. B. Sawyer. Loss, \$350. Insurance, \$2,000. Occupied by A. H. Brown as dwelling. Loss, \$900. Insurance, \$1,000. Cause, careless use of fire in closet.

Friday, February 13, 7.21 P. M. Box 48. Cambridge Street. Owned by Snow & Co., as auto truck. Loss, \$125. Insurance, \$5,000.

Saturday, February 14, 12.55 A. M. Still alarm. Otis Street. Owned and occupied by Irving & Casson as factory. No loss. Cause, spontaneous in oily rags.

Saturday, February 14, 2.43 P. M. Box 243. No. 145 Broadway. Owned and occupied by S. Tower as factory. Loss, trifling. Cause, dust under floor over boiler took fire.

Saturday, February 14, 7.51 P. M. Box 434. No. 51 Kinnaird Street. Owned by Thomas Grace. Loss, \$25. Insurance, \$2,500. Occupied by D. Williams as dwelling. Loss, \$16. Insurance, \$500. Cause, lamp exploded.

Saturday, February 14, 8.25 P. M. Box 23. No. 59 Bristol Street. Owned by James M. Terry. Loss, \$25. Insurance, \$1,200. Occupied by Hannah Lalley as dwelling. Loss, \$155. Insurance, \$500. Fire in two closets. Cause, incendiary.

Sunday, February 15, 12.58 P. M. Box 14. No. 200 Vine Street. Owned by L. A. C. Baco. Loss, trifling. Occupied by Lois Obry as dwelling. Cause, thawing pipes.

Sunday, February 15, 2.10 P. M. Still alarm. No. 25 Hunting Street. Owned and occupied by J. H. Marker as dwelling. Loss, trifling. Cause, overheated stove pipe.

Monday, February 16, 11.07 A. M. Box 624. No. 4 Avon Street. Owned by Frank S. Harlow. Loss, \$686.50. Insurance, \$28,000. Occupied by A. W. Scott as dwelling. Loss, \$50. No insurance. Cause, gas heater ignited wood work.

Monday, February 16, 8.29 P. M. Box 39. No. 20 Central Square. Owned by George Southwick. Loss, \$60. Insurance, \$4,000. Cause, hot ashes under steps.

Monday, February 16, 9.08 P. M. Box 168. No. 265 Third Street. Owned and occupied by Blake & Knowles as pump factory. Loss, trifling. Cause, sparks from furnace on floor.



Tuesday, February 17, 9.44 A. M. Box 381. No. 10 Gilmore Street. Owned by Israel Nisson. Loss, \$400. Insurance, \$3,500. Occupied by Robert Ramsay. Loss, \$50. No insurance. Occupied by Joseph Merrill as dwelling. Loss, \$25. No insurance. Cause, overheated stovepipe.

Wednesday, February 18, 8.43 A. M. Box 39. No. 6 Whiting Court. Owned by A. P. Morse estate. No loss. Occupied by J. L. Akers as paint shop. Cause, pot of paint took fire.

Wednesday, February 18, 9.04 P. M. Box 195. No. 211 Lambert Street. Owned by Alice Herbert as unoccupied dwelling. Insurance, \$1,000. Loss, \$25. Cause, thawing water pipes.

Thursday, February 19, 2.20 A. M. Box 291. No. 1005 Cambridge Street. Owned by Lois Ruben. Loss, \$100. Insurance, \$2,000. Occupied by Samuel Halpin as store. Loss, \$379. Insurance, \$1,800. Cause, careless leaving fire under counter.

Thursday, February 19, 9.55 A. M. Box 215. No. 742 Cambridge Street. Owned by Lois Sandler. Loss, \$60. Insurance, \$4,000. Occupied by Lois Sandler as dwelling. Loss, \$75. Insurance, \$1,000. Cause, using match in clothes closet.

Thursday, February 19, 11.17 P. M. Box 295. No. 121 Hampshire Street. Owned by A. E. Lynch. Loss, \$560. Insurance, \$2,500. Occupied by Jacob Friedman as tailor. Loss, \$750. Insurance, \$2,000. Occupied by R. Neddy as dwelling. Loss, \$75. No insurance. Cause, careless smoking cigarette.

Friday, February 20, 12.35 P. M. Still alarm. Corner River Street and Western Avenue. Owned by F. A. Brooks. Loss, \$35. Insurance, \$35,000. Occupied by Olympia Amusement Co. Loss, \$91. Insurance, \$2,000. Cause, careless smoking.

Saturday, February 21, 9.25 A. M. Still alarm. No. 96 Inman Street. Owned and occupied by Fleishman Yeast Co. as stable. Loss, \$32. Insurance, \$2,500. Cause, overheated stove.

Saturday, February 21, 9.40 A. M. Still alarm. No. 101. Aberdeen Avenue. Owned and occupied by L. Steinhardt as dwelling. No fire. Water pipe burst.

Saturday, February 21, 5.44 P. M. Box 291. No. 1054 Cambridge Street. Owned by J. J. Szezka. Loss, trifling. Occupied by Burack Brothers as furniture store. Loss, \$750. Insurance, \$4,000. Cause, dropping match in cellar.

Sunday, February 22, 8.45 A. M. Still alarm. No. 63 Portland Street. Owned by N. B. Chalfen. Loss, \$20. Insurance, \$23,000. Occupied by Dominick Downes as grocery. Loss \$6. No insurance. Cause, gas heater set fire to bags.

Sunday, February 22, 6.16 P. M. Box 195. No. 170 Gore Street. Owned by Giles Taintor. Loss, \$75. Insurance, \$20,000. Occupied by J. Coniski as dwelling. Loss, \$10. No insurance. Cause, lighted match on curtain.

Sunday, February 22, 11.24 P. M. Box 295. No. 239 Columbia Street. Owned by Lewis Van Diton. Loss, \$175. Insurance, \$800. Occupied by B. F. Weinstein as dwelling. Loss, trifling. Cause, lighted match on bed.

Monday, February 23, 9.50 A. M. Ladder No. 2 responded to Somerville Box 23.

Monday, February 23, 5.30 P. M. Engine No. 5 responded to Somerville Box 241.

Monday, February 23, 5.46 P. M. Box 432. No. 411 Franklin Street. Owned by William Moore. No loss. Occupied by W. L. Woodfin as dwelling. Loss, \$25. No insurance. Cause, upset lamp.

Tuesday, February 24, 7.10 P. M. Still alarm. No. 126 Brattle Street. Owned and occupied by Walter J. Badger as dwelling. Cause, chimney fire.

Wednesday, February 25, 12.20 A. M. Still alarm. No. 1005 Cambridge Street. Owned by Lois Ruben. Occupied by Samuel Halpin as restaurant. No loss. Cause, overheated furnace set fire to rubbish in cellar.

Wednesday, February 25, 4.28 A. M. Box 21. Distilhouse Street. Owned by Purity Distilling Co. as fence. No loss. Cause, hot ashes against fence.

Wednesday, February 25, 5.54 P. M. Still alarm. No. 21 Ellsworth Avenue. Owned by James Kelley. Loss, \$150. Insurance, \$4,500. Occupied by James Kelley as dwelling. Loss, \$83. Insurance, \$2,000. Cause, broken lamp.

Wednesday, February 25, 11.55 P. M. Still alarm. No. 31 Otis Street. Owned by George Dearborn. Loss, \$300. No insurance. Occupied by Michael Sullivan as dwelling. Loss, \$30. Insurance, \$600. Occupied by T. J. Canty. Loss, \$25. Insurance, \$500. Cause, rats in partition.

Thursday, February 26, 2.12 P. M. Box 23. No. 70 Plymouth Street. Owned by Silver & Quail. Loss, \$811. Insurance, \$4,500. Occupied by L. O'Neil as dwelling. Loss, \$15.50. Insurance, \$500. Occupied by John Parker. Loss, \$180. Insurance, \$500. Occupied by Charles Carley. Loss, \$93. Insurance, \$500. Occupied by Richard Corbett. Loss, \$50. No insurance. Cause, hot ashes in cellar.

Saturday, February 28, 2.35 P. M. Still alarm. No. 2 Scott Street. Owned and occupied by Frank W. Taussig as dwelling. Cause, chimney fire

### March

Sunday, March 1, 4.55 A. M. Still alarm. Mount Auburn Street. Rescued cat from tree.



Sunday, March 1, 6.21 P. M. Box 23. No. 7 Seckel Street. Water in cellar.

Monday, March 2, 9.20 A. M. Still alarm. No. 37 Portland Street. Owned by J. F. McNamee. Loss, \$50. Insurance, \$10,000. Occupied by Michael Cahill as dwelling. Loss, \$51.50. Insurance, \$500. Cause, child set fire to couch.

Monday, March 2, 1.15 P. M. Still alarm. Engine No. 5 responded to Somerville Box 226.

Monday, March 2, 1.51 P. M. Box 233. No. 139 Harvard Street. Owned by Pierce estate. No loss. Occupied by Frank Doherty as dwelling. No loss. Cause, match thrown on paper.

Wednesday, March 4, 7.00 P. M. Still alarm. No. 2254 Massachusetts Avenue. Owned by J. P. Kelley. Loss trifling. Cause, painters' oily rags in shed.

Saturday, March 7, 12.45 A. M. Box 215. No. 25 Warren Street. Owned by Joseph Mangillo. Loss, \$125. Insurance, \$4,000. Occupied by Ercoli Volpe as dwelling. Cause, defect in chimney.

Saturday, March 7, 12.27 P. M. Still alarm. Osborn Street. Owned by Endicott heirs as factory. Loss, \$125. Insurance, \$144,000. Cause, overheated boiler set fire to under roof.

Saturday, March 7, 3.34 P. M. Box 742. No. 70 Middlesex Street. Owned by Twenty-five Associates. Loss, \$321. Insurance, \$1,500. Occupied by J. E. Monehan as dwelling. Loss, \$50. No insurance. Occupied by L. Trembly. Loss, \$30. Insurance, \$1,100. Cause, sparks from stove on clothing.

Saturday, March 7, 4.33 P. M. Box 291. No. 389 Columbia Street. Owned by Silver & Quail. Loss, \$1,316. Insurance, \$7,000. Occupied by John McKay as dwelling. Loss, \$150. Insurance, \$800. Occupied by Patrick O'Hair. Loss, \$200. No insurance. Cause, using torch to find leak in gas pipe.

Sunday, March 8, 12.07 A. M. Box 19. No. 473 Cambridge Street. Owned by G. R. Brine. Loss, \$1,241. Insurance, \$10,000. Occupied by Lois Leventhal as dry goods. Loss, \$3,875. Insurance, \$5,500. No. 479. Occupied by H. Dine as crockery and dry goods. Loss, \$212. Insurance, \$13,000. Cause, careless dropping fire on cloth.

Sunday, March 8, 7.31 P. M. Still alarm. Main Street. Owned by Electric Light Co. as coal shed. Cause, fire in soft coal.

Monday, March 9, 2.16 P. M. Box 27. No. 3 Hawley Street. Owned by Brooks estate. Loss, \$25. Insurance, \$5,000. Occupied by Frank Savoy as dwelling. Loss, \$166. Insurance, \$1,000. Cause, overheated stove set fire to bed.

Tuesday, March 10, 12.34 P. M. Box 291. No. 302 Webster Avenue. Owned by Joseph Andelman. Loss, \$198. Insurance, \$2,500. Occupied by



Paul Fleischer as dwelling. Loss, \$70. Insurance, \$500. Cause, child set fire in clothes closet.

Tuesday, March 10, 4.45 P. M. Still alarm. Off Lexington Avenue. Grass fire.

Tuesday, March 10, 9.57 P. M. Box 215. No. 7 Parnell Street. Owned by Linehan estate as dwelling. No fire. Cause, smoke from stove.

Wednesday, March 11, 6.07 P. M. Box 67. No. 74 Concord Avenue. Owned by John F. O'Brien. Occupied by James Bennett as bakery. Loss trifling. Cause, hot coals on box.

Wednesday, March 11, 7.40 P. M. Still alarm. No. 595 Massachusetts Avenue. Owned by A. P. Morse estate. Loss, \$25. Insurance, \$30,000. Occupied by Charles McPhee as tailor. Loss, \$100. Insurance, \$4,000. Cause, cleaning clothing with gasoline.

Wednesday, March 11, 11.59 P. M. Ladder No. 2 responded to Somerville Box 21.

Thursday, March 12, 8.48 A. M. Still alarm. No. 19 Harvard Street. Owned by S. Susa. Loss trifling. Occupied by John Raman as dwelling. No loss. Cause, overheated stove.

Thursday, March 12, 10.28 A. M. Box 251. Main Street. Owned by Lynn Scott Motor Co. as automobile. Loss trifling.

Thursday, March 12, 5.47 P. M. Box 791. No. 45 Clay Street. Owned by Frank Veano. Loss trifling. Occupied by Timothy Murphy as stable. Loss trifling. Cause, children set fire to hay.

Thursday, March 12, 6.43 P. M. Still alarm. Massachusetts Avenue, near Blanche Street. Owned by N. Y. Mattress Co. as auto truck. Loss trifling.

Friday, March 13, 10.37 P. M. Box 78. No. 2459 Massachusetts Avenue. Owned by Clark Bros. Loss, \$200. Insurance, \$4,000. Occupied by D. Maioli as fruit store. Loss, \$170. Insurance, \$600. Cause, dropping cigarette in paper.

Saturday, March 14, 9.13 A. M. Still alarm. Porter Square. Electric car.

Saturday, March 14, 2.09 A. M. Box 31. No. 16 Sidney Street. Owned by Savage & Sons. Loss, \$75. Insurance, \$1,500. Occupied by Savage &

Sons as stable. Loss, \$25. Insurance, \$2,000. Cause, careless dropping fire in harness room.

Saturday, March 14, 7.03 P. M. Box 493. Broadway and Trowbridge Street. Owned by G. R. Miller as automobile. Loss trifling.

Saturday, March 14, 10.51 P. M. Still alarm. No. 22 Prescott Street. Owned and occupied by Eliza S. Evans as dwelling. No loss. Cause, oily mop.

Sunday, March 15, 1.41 A. M. Box 291. No. 1115 Cambridge Street. Owned by Nora Hurley, Loss, \$156. Insurance, \$200. Occupied by Harry Gordon as shoe store. Loss, \$375. Insurance, \$500. Cause, dropping match in rubbish.

Sunday, March 15, 12.07 P. M. Box 16. No. 124 Charles Street. Owned by Jessie Rocha. Loss trifling. Occupied by M. Mulligan as dwelling. Cause, meat in oven.

Sunday, March 15, 12.15 P. M. False by telephone.

Monday, March 16, 2.34 A. M. Box 233. No. 6 Market Street. Owned by Jacob Speere Loss, \$50. Insurance, \$12,000. Occupied by several families. No loss. Fire in two places in cellar. Cause, incendiary.

Monday, March 16, 12.01 P. M. Box 372. No. 389 Western Avenue. Owned by Israel Nisson. Loss, \$161. Insurance, \$7,000. Unoccupied. Cause, rats in partition.

Monday, March 16, 4.20 P. M. Still alarm. Portland Street. Wood pile.

Friday, March 20, 7.05 A. M. Box 723. No. 5 Locke Street. Owned by Charles Norris as dwelling. Cause, chimney fire.

Saturday, March 21, 12.06 P. M. Box 783. No. 2523 Massachusetts Avenue. Owned by Dunbar & Prentiss. Loss, \$532.50. Insurance, \$2,500. Occupied by Patrick Kadean as dwelling. Loss, \$225. Insurance, \$500. Cause, rats in attic.

Sunday, March 22, 12.20 A. M. Still alarm. No. 344 Cambridge Street. Owned by John Bullard as dwelling. Cause, chimney fire.

Monday, March 23, 3.14 A. M. Box 79. No. 2390 Massachusetts Avenue. Owned by E. R. Dix. Loss, \$20. Insurance, \$20,000. Occupied by J. Maffo as restaurant. Loss, \$326.80. Insurance, \$1,500. Cause, pan of fat on fire.

Monday, March 23, 5.35 P. M. Still alarm. No. 96 Avon Hill Street. Owned by Edith Weed. Occupied by James A. Gass as dwelling. Cause, smoke from stove.

Monday, March 23, 6.35 P. M. Box 87. No. 46 Holworthy Street. Owned by James Organ. Occupied by Fred Robinson as dwelling. No loss. Cause, putting oil on fire in stove.

Monday, March 23, 10.34 P. M. Box 39. No. 6-8 Pearl Street. Owned by C. E. Waters. Loss, \$450. Insurance, \$1,000. Occupied by L. Paris as barber shop. Loss, \$745. Insurance, \$1,000. Occupied by James Brown as tailor. Loss, \$75. Insurance, \$500. Cause, defect in chimney.

Tuesday, March 24, 11.34 A. M. Box 391. No. 74 Pearl Street. Owned

by Robbins Brothers. Loss, \$380. Insurance, \$7,000. Occupied by Max Stern as tailor. Loss, \$250. Insurance, \$600. Cause, gas iron set fire to paper.

Saturday, March 28, 4.35 P. M. Box 295. No. 2 Turner Court. Owned by A. E. Lynch. No loss. Occupied by Alfred Lawton as dwelling. Cause, smoke from stove.

Saturday, March 28, 5.15 P. M. Box 693. No. 77 Avon Hill Street. Owned and occupied by E. Gordon Parker as dwelling. Cause, chimney fire.

Sunday, March 29, 1.08 A. M. Box 27. No. 751 Main Street. Owned by Windsor Trust Co. Loss, \$382.83. Insurance, \$11,000. Occupied by J. Slatwick as shoe store. Loss, \$1,700. Insurance, \$2,500. No. 753. Occupied by Abdel Beghosian as fruit store. Loss, \$75. Insurance, \$1,800. Cause, overheated stove.

Sunday, March 29, 8.31 P. M. Box 75. False alarm.

Monday, March 30, 3.52 P. M. Box 93. No. 90 Holworthy Street. Owned by Bernard Follen as unoccupied dwelling. Loss, \$374. Insurance, \$1,000. Cause, rats in partition.

Monday, March 30, 10.12 P. M. Box 243. No. 145 Broadway. Owned by S. Tower & Co. Loss, \$100. Insurance, \$4,000. Occupied by S. Tower & Co. as factory. Loss, \$955. Insurance, \$955. Cause, steam pipe on wood.

Tuesday, March 31, 7.30 A. M. Still alarm. No. 14 Auburn Street. Owned by E. R. Gleason as automobile. Loss trifling.

Tuesday, March 31, 11.32 A. M. Box 421. No. 27 Inman Street. Owned by Edwin Jose. Loss, \$580. Insurance, \$4,000. Occupied by Edwin Jose as dwelling. Loss, \$100. No insurance. Cause, wood too near furnace.

Tuesday, March 31, 6.36 P. M. Box 273. Massachusetts Avenue near R. R. crossing. Owned by J. H. Soule as automobile.



# REPORT OF THE TRUSTEES OF THE CAMBRIDGE PUBLIC LIBRARY

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Cambridge, March 31, 1914.

*To the Honorable, the City Council, of the City of Cambridge:*

The Trustees of the Cambridge Public Library respectfully submit this, their fifty-sixth annual report, covering the fiscal year ending March 31, 1914.

It is the sad duty of the Trustees to report that after a successful administration of nine years, during which time he gave earnest and tireless efforts towards the maintenance of the high standard already attained by the library, Mr. Clarence W. Ayer, Librarian, died suddenly at his home but a few short hours after the close of the day's work. Mr. Ayer was uniformly courteous and considerate to all, and his sudden taking away was a distinct loss to the public service. At a special meeting, held by the Board of Trustees, suitable resolutions were adopted and the entire Board constituted itself a committee to attend the obsequies in Christ Church.

Miss Etta Lois Russell, Assistant Librarian, was appointed Acting Librarian and served as such until the installation of the new Librarian. Miss Russell performed efficiently a similar service after the death of Miss Hayward and during the interim between Mr. Gifford's and Mr. Ayer's administrations.

The Trustees examined at hearings granted for the purpose, a number of candidates for the position of Librarian and elected, on June 26, 1913, Mr. M. R. Copithorne of this city.

In the month of January the Board was called upon to accept with regret the resignation of Miss Mary A. Curtis, who, because of long-continued illness, was obliged to sever her connection with the library. Miss Curtis had been for many years in charge of the Branch Library at East Cambridge, the success of which was, in large measure, due to her unflagging energy and unselfish interest.

The Trustees believe that branch libraries and reading rooms should gradually be established in the sections of the city which are not within easy reach of the existing libraries, and that in this way

the funds at their command can be used to the advantage of a much larger portion of the public. The local delivery stations of the library have shown for some years a steady loss in patronage, and it was decided, after a close study of the question, to discontinue them. The cost of maintaining them was far out of proportion to the service which they rendered, and their discontinuance enabled the Trustees to try the experiment of a branch library near Central Square, to the urgent need of which the Trustees have for many years called attention. It was found that reasonable terms could be made for the rental of quarters in the Prospect Union Building, and a well-lighted and attractive reading room was the result.

The cost of the branch is very small, indeed, compared to the indefensible cost of the local delivery stations, and the unexpectedly large registration clearly shows that the public wants to use the library if it is brought within reach. The increased use of the Central Library since the establishment of the Central Square Branch shows further that that branch actually reaches a portion of the public who have not heretofore used the library.

Thanks to the wise forethought of the members of the School Committee, the new school building in the Mount Auburn district will provide quarters for a branch library in that section, a room having been planned for that purpose.

Attention is again called to the condition of the grounds about the Central Library. The paths which at many points have become unduly widened and sunken, demand immediate care, and the board walks which have been in use for many winters have become so worn and rotted that, though frequently repaired, they are a constant danger to life and limb. The lighting about the library building at night is so entirely inadequate as to constitute a hindrance to a more general use of its facilities. This is particularly true of the lighting of that portion of the grounds towards Cambridge Street.

The value of a well-regulated and properly-equipped library is coming to be recognized more clearly by citizens in all walks of life. The range of literature demanded by the public is constantly widening, and particularly along the lines of industrial and technical knowledge. Further, the Public Library stands for clean literature and is directly opposed to the flood of prurient and immoral books fostered by unscrupulous publishers and circulating libraries.

We desire to call the work of the library to the attention of the citizens, particularly fathers and mothers, in order that they may

encourage their children to make liberal use of its privileges. We appeal to the citizens for support, moral and financial.

The library has a nucleus for an endowment fund, and it is hoped that public-spirited citizens will add thereto by donations and bequests. Libraries are the means of helping the advancement of the nation more widely and permanently than any other form of public benefaction, for each generation adds its share to the accumulated wisdom stored within its walls.

A detailed statement of the work of the year will be found in the report of the librarian which follows:

EDWARD P. COLLIER, *President*,  
JOSEPH L. P. ST. COEUR, *Treasurer*,  
WM. J. BARRY,  
WM. J. E. SANDER,  
THOMAS F. ATKINSON,  
JOHN E. SOMERS,  
JOHN W. BRADLEY,

*The Trustees.*



## REPORT OF THE LIBRARIAN

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Cambridge, March 26, 1914.

*To the Board of Trustees:*

Gentlemen:—It is good to be able to report for the year just ending substantial and increasing gains in the library circulation. At the Central Library, through the adult department, the number of volumes circulated was 121,074, as compared with 115,259 for the preceding year. It is doubly good to note that of this gain of 5,815, 2,105 appeared in the final quarter, and that in January—probably for the first time in the history of the library—the circulation of books of history, science and literature exceeded the circulation of fiction.

At the North Cambridge Branch the circulation reached a total of 80,667. This is an increase over the previous year of 3,839 volumes, of which 1,700 are credited to the work of the last quarter.

The Branch at East Cambridge records a circulation for the year of 48,002, against 53,168 for the previous year. This is a serious, but when analyzed, not a disheartening loss. The year ending March 26, 1913, recorded a decrease of 13,287, compared with which a loss of 5,166 seems small. Encouragement is found, however, not in a comparison with the statistics of the preceding year, but in an examination of those for the year now ending. The Acting Librarian, in her report of June 26, covering the first quarter of the fiscal year, recorded a comparative loss of more than 3,000 volumes. For the second and third quarters I was able to report that the loss had been reduced by two-thirds, and now, at the end of the final quarter, it is possible to record an actual gain of 463 volumes.

I have already indicated to the Trustees my hope that by certain changes, notably by adding foreign books and by enlarging the scope of the work with younger readers, the library may be able to meet the changed and changing conditions at East Cambridge, and do its part to bring into closer sympathy and more comprehensive contact with American life and ideals, our non-English-speaking citizens and their children. With that object in view, small collections of Polish and Portuguese books have already been added, and plans are now under way for the larger work contemplated with the children.

At the Cambridgeport Branch, despite the recentness of its establishment, and the comparatively limited number of books available, the circulation in two months has reached a total of 8,413 volumes, with a registration of 1,472 borrowers. And this circulation, it is worth while noting, has been built up during the quarter in which the circulation at the main library has shown the largest gains.

There were issued during the year, through the Children's Department of the Central Library, 25,863 volumes, and through the Local Department to Branches, Local Delivery and Deposit Stations, and Schools, 10,260 volumes. Concerning these departments, I shall later go into greater detail.

## BOOKS

The library now possesses 103,875 volumes, of which 88,810 are in the Central Library. Of the remainder, 6,441, 5,174 and 3,450 are at the North, East and Cambridgeport Branches, respectively. During the year there were added 8,027 books, of which 3,213 were replacements. Of the 4,892 added to the Central Library, 2,989 were new titles, and 1,903 were replacements. To the North Branch were added 547 new and 481 replaced volumes; to the East Branch, 516 new titles, and 829 replacements. Of the 3,450 books at the Cambridgeport Branch 2,688 are duplicate volumes transferred from the Central Library.

The number of books replaced will seem comparatively large, but the Trustees will remember that in my first quarterly report, dated September 26, 1913, I brought to the attention of the Board the losses revealed by the inventories which had just then been completed. The inventories at the East and North Branches, it will be recalled, were the first that had ever been made, though the branch at East Cambridge was established in 1897, and that at North Cambridge in 1905. Inevitably losses accruing during so long a period necessitated large replacement orders, even though it was found possible to withdraw from the catalogues some of the missing titles.

Of the volumes replaced at the Central Library far the greater number were for the Juvenile Department. The inventory completed last fall—the first made in five years—showed 1,002 volumes lost or stolen from the department. That, with the number of volumes worn out and discarded, or previously reported lost, made a total of approximately 2,500 books missing: about fifty per cent. of the entire collection. Despite large replacements, the number of volumes actually



available in the room has not greatly increased, for the condition of the books was such as to compel constant and rapid discarding.

With the recent decision of the Trustees to adopt the suggestion of enclosing the shelves, the financial and moral problem involved in such serious losses as the library has for years sustained through the Juvenile Department, has been solved. The new arrangement is working admirably from the point of view of both the children and the attendants. Its economic, administrative and educational advantages seem already assured. It makes practicable the keeping of the books in better condition, and the room in better order. It enables the attendants to know that a book not in its proper place on the shelves is really out and not merely misplaced. It tends, by emphasizing our own care for the books, to make the children more reverent and careful of them. Above all, it obviates the moral risk involved in an arrangement which, because of the structural plan of the room, permitted among children frequent and undetected thefts.

Evidences of losses in the adult department continue. Many of them, possibly the majority, are not permanent; but no inventory having been made since 1908, there is at present no means of estimating to what they amount.

By discontinuing the all but universal use of stack privilege, and by requiring that all books issued for hall use shall be charged and discharged at the desk of the Reference Room attendant, losses through those channels have doubtless been curtailed, but the most serious source of loss, the open shelf, continues unabated. How serious that is, the inventory which I hope may be made this year will reveal.

## CHILDREN AND SCHOOLS

Of part of the work done in the Juvenile Department at the Central Library, and of the larger work contemplated with the children at East Cambridge, I have already spoken. Of other related work it remains to speak.

The story hour on Saturday afternoons has been continued, and the children's interest in it is best attested by an attendance since November of approximately 1,000.

Early last fall it became evident to me that there must come a time when younger readers feel that they have outgrown or exhausted the collection of books in the children's room, and that some means should be devised to make at once more facile and less abrupt their



transition to the adult department. To that end the original catalogue cabinet which had lain unused for a number of years in the basement was renovated and placed in the passage which connects the children's room with the main delivery room. In this have been recorded under author, title and subject, books suitable for older boys and girls.

Of the titles indexed by far the greater number have been chosen from the adult collection, but in order that the young people may find many of their old friends among the new, there have been added four hundred entirely new copies of the works of Alcott, Tomlinson, Henty and Trowbridge, of Kirk Munroe, Anna Chapin Ray, Marion Ames Taggart and W. O. Stoddard, as well as Joel Chandler Harris, Thomas Nelson Page, Ernest Thompson Seton and Rudyard Kipling.

Through the courtesy of the Superintendent of Schools and the teachers, the index was brought to the notice of the pupils, and its success has been greater than I ventured to hope.

While increasing by about half the number of books directly available for younger readers, and furnishing a guide to maturer books, it is serving as a simple and practical means of preparing the youngsters for the use of the more complicated adult catalogue.

The method of distributing the books of the school loan collection has been changed. As a result the entire collection is sent out at the beginning of the term and is allowed to remain in the schools until the close of the academic year.

Under the old arrangement, a large number of volumes, probably not less than one-half the entire collection, remained on the shelves of the library during a portion of the year. Under the new arrangement, the books are in the hands of the pupils during the entire term. Under the old plan a school which was entitled to, let us say, one hundred books at a time, had three hundred books during the entire term, but only one hundred of them were available at any one time. Under the new plan the same school has two hundred books during the year, but that number is available for the entire term.

Under the previous arrangement, it was necessary to check the books here six times. Under the present arrangement it is necessary to check them but twice—at the beginning and at the end of the school term.

The new plan, then, reduces the library work of recording and carrying by sixty-six and two-thirds per cent., and should, I feel, be no less advantageous to the children if arrangements are made for

exchange from time to time between the various classes in the individual schools.

After the New Year's recess we sent to the Rindge Technical School old copies of such mechanical, electrical and scientific magazines as it has hitherto been customary to sell for old paper. To the several evening schools, too, we have sent discarded copies of more popular magazines to be used in the classes of foreigners engaged in the study of English. In both instances, I am advised, the magazines have proved decidedly useful acquisitions in the school work.

In these and various other ways, routine and occasional, the relations between the library and the schools have been made stronger and more intimate.

### CAMBRIDGEPORT BRANCH

The most notable undertaking of the year has, of course, been the opening of the new branch library at Central Square, in the building, it is interesting to note, in which in 1858, the Cambridge Public Library had its beginning. In 1889, when the main library was transferred to its present location, the Board of Trustees, in their annual report, expressed the hope that it might be possible to maintain at least a reading room in the vicinity of Central Square. Later Boards, year after year, expressed the same desire, but not until now has the wish been found possible of fulfillment. Nor, it is probable, would the attempt have been made this year in the face of an inadequate appropriation, had it not become clear that some means must be found which would serve the public in the districts below Central Square and toward the river, and yet obviate the economic waste involved in the existing system of local stations maintained at drug store agencies.

As I stated at the July meeting of the Board, and repeated in my first quarterly report, these agencies had steadily and rapidly declined in usefulness. Their circulation had fallen from 13,817 in 1907 to 7,342 in 1913. Yet during that period the expense of maintaining them had not decreased, and in the latter year the cost of circulating a volume through them was approximately four hundred per cent. in excess of the cost of circulation through the branch libraries, though they furnished neither reading room facilities nor reasonable protection to public property. In fact, of the comparatively small number of books included in the traveling libraries which they handled, more than 1,200 have been lost.

Under these circumstances their discontinuance became all but



imperative, and the opportunity of securing, at a very reasonable rental, attractive quarters in so desirable a location as the Prospect Union Building, offered an immediate answer to a problem that pressed for solution. The eager response of the public, indicated in part by the statistics which have previously been quoted, best approve the judgment of the Trustees in availing themselves of the opportunity, in spite of the financial difficulties which it necessarily involved.

## FINANCES

Even without the burden which the new undertaking imposed, rigorous economies would have been necessary. In his report of March 26, 1913, the former Librarian called attention to the condition of the supply room, which by July had become practically exhausted. Considerable expenditures were immediately necessary, but by asking for competitive bids and by purchasing in larger quantities than had heretofore been customary, in many cases far better figures than had previously been obtained were secured. The savings varied from ten to forty per cent., and in one instance amounted to ninety per cent. On all books published at net prices, and more than one year old, savings of twenty per cent. have been effected through an agreement with the book dealers, and we have arranged to import books from England at twenty-five cents on the shilling instead of thirty-five cents, as heretofore. By strokes of good luck we were able in three instances to make purchase of needed books at very large savings. These were happy chances which may not repeat themselves, but they were doubly opportune, coming at a time when many of the publishers have placed their entire stock on a net basis with resulting increases in their selling prices.

As part of a consistent plan of economy, the Bulletin of new books has been discontinued, as has been the purchase of expensive aids to cataloguing, such as the *Catalogue de la Librairie Général Française* and the *Bücher Lexion*, which for our occasional needs may be consulted at the Harvard Library. All supplies are being used to their fullest capacity, and no book has been rebound which could well be repaired at the library. I have personally inspected every volume sent to the binders, and in the item of binding at the Central Library a saving of five hundred dollars as compared with last year has been effected. The discontinuance of the local delivery stations will result in the saving of agents' commissions and in a considerable economy in carrying charges.



Not the least fortunate consequence of the establishment of the new branch has been that it has made possible a rearrangement of the staff with a resulting economy of about \$600.00 in the pay roll of the Central Library. It may be counted a financial gain, too, that the transfer of duplicate volumes to the new branch has postponed, for a time at least, the question of stack facilities which was becoming imminent.

Economies at East Cambridge made it possible to replace by attractive new chairs the somewhat clumsy and varied assortment in use there, and at North Cambridge to install a new lighting system and refinish the walls, woodwork and bookcases.

## GIFTS

Under the will of Mehitabel C. C. Wilson, the library received in January a bequest of four hundred thirty-two dollars which has been placed on deposit, the Board having decided to use only the interest on the amount.

Gifts of books during the year have been received from

Adams, I. William  
 Alexander, Mrs. Stella Hidden  
 American-Irish Historical Society  
 Ames, Mrs. James Barr  
 Ayer, Clarence Walter  
 Bartlett, Frederick Orrin  
 Batchelder, Samuel Francis  
 Beecher, Mrs. Eunice  
 Boston Transit Commission  
 Bunker Hill Monument Association  
 Carnegie Foundation for Advancement of Teaching  
 Carnegie Hero Fund Commission  
 Carnegie Library of Pittsburgh  
 Chaloner, John Armstrong  
 Collett, Mrs. Lena E.  
 Coolidge, Asenath Carver  
 Curtis Publishing Company  
 Edgerton, Henry W.  
 Harvard University  
 First Church of Christ, Scientist  
 Harvard University. Class of 1853  
 Kennard, Joseph Spencer  
 Lowell, A. Lawrence  
 Macbrayne, David  
 Massachusetts, Commonwealth of  
 New York Historical Society  
 New York State Charities Aid Association  
 Newson, John Henry  
 Porto Rico, Government of

Putnam's Sons, G. P.  
San Diego, Calif., Chamber of Commerce  
Skeel, Mrs. Roswell, Jr.  
Smithsonian Institution  
Thompson, Slason  
Tompkins, Eugene, Estate of  
United States. Department of Agriculture  
Civil Service Commission  
Department of Commerce  
Bureau of Commerce and Labor  
Interstate Commerce Commission  
Library of Congress  
Superintendent of Documents  
War Department  
Weiss, Marieanne  
Wellington, Mrs. Austin C.  
Wisconsin State Historical Society  
Woodman, Mary  
Wright, Benjamin  
Yale University

## ADMINISTRATION

In the general administration of the library, no very radical departures have been attempted, but there has been a constant and consistent effort to concentrate work and responsibility, and to increase efficiency. Toward this latter aim no single factor has contributed more potently than the recently installed system of telephones which makes direct communication possible between the various departments.

The hours of the women employees have been reduced from forty-four to forty-two hours a week, and new rules governing the use of the library have been drawn up and printed for general distribution, to the end that the public may be more fully acquainted with their privileges and responsibilities as patrons of the library.

To my report I must needs add my grateful recognition of the fact that whatever of accomplishment the year has shown has been possible only through the encouraging support of the Trustees and the generously loyal co-operation of the members of the library staff. To the Assistant Librarian my especial acknowledgments are due.

Respectfully submitted,

(Signed) M. R. Copithorne,  
*Librarian.*

APPENDIX

EXPENDITURES FROM CITY APPROPRIATION

CENTRAL LIBRARY

Salaries

|  |             |
|--|-------------|
| Appropriation (by transfer increased \$76.00 from \$13,804.00) . . . . | \$13,880 00 |
| Expended . . . . .   | 13,879 87   |
|  | <hr/>       |
| Amount unexpended . . . . .  | \$0 13      |

General Expenses

|   |            |
|---|------------|
| Appropriation (by transfer decreased \$76.00 from \$9,780.00) . . . . | \$9,704 00 |
|---|------------|

EXPENDITURES

|   |          |          |
|---|----------|----------|
| Binding . . . . .   | \$829 29 |          |
| Books, new . . . . .                                      | 3,095 65 |          |
| "    for schools, new . . . . .                           | 2 70     |          |
| "    for traveling libraries, new . . . . .               | 31 18    |          |
| "    replaced (total) . . . . .                           | 908 54   |          |
| Periodicals . . . . .                                     | 810 31   |          |
| Bulletin . . . . .  | 272 45   |          |
| Fuel . . . . .  | 621 00   |          |
| Furniture . . . . .                                       | 448 35   |          |
| Incidentals (Rent Cambridgeport Branch \$90.00) . . . . . | 352 32   |          |
| Insurance . . . . .                                       | 198 00   |          |
| Lighting . . . . .  | 525 42   |          |
| Local stations . . . . .                                  | 737 60   |          |
| Printing, postage, stationery, etc. . . . .               | 658 72   |          |
| Repairs . . . . .   | 135 66   |          |
| Telephone . . . . .                                       | 75 96    |          |
|   | <hr/>    | 9,703 15 |
|   |          | <hr/>    |
| Amount unexpended . . . . .                               |          | \$0 85   |

EAST CAMBRIDGE BRANCH LIBRARY

Salaries

|                             |            |
|-----------------------------|------------|
| Appropriation . . . . .     | \$1,654 00 |
| Expended . . . . .          | 1,217 88   |
|                             | <hr/>      |
| Amount unexpended . . . . . | \$436 12   |

General Expenses

|                         |            |
|-------------------------|------------|
| Appropriation . . . . . | \$1,800 00 |
|-------------------------|------------|

EXPENDITURES

|                                   |            |            |
|-----------------------------------|------------|------------|
| Binding . . . . .                 | \$141 45   |            |
| Books, new . . . . .              | 620 79     |            |
| "    replaced . . . . .           | 459 83     |            |
| Periodicals . . . . .             | 124 05     |            |
| Furniture . . . . .               | 161 96     |            |
|                                   | <hr/>      |            |
| Amounts carried forward . . . . . | \$1,508 08 | \$1,800 00 |



## EAST CAMBRIDGE BRANCH LIBRARY, GENERAL EXPENSES—Concluded

|  |            |              |
|--|------------|--------------|
| <i>Amounts brought forward</i> .....     | \$1,508 08 | \$1,800 00   |
| Incidentals .....                        | 30 59      |              |
| Insurance .....                          | 57 00      |              |
| Lighting .....                           | 87 60      |              |
| Printing, postage, stationery, etc. .... | 86 58      |              |
| Repairs .....                            | 5 90       |              |
| Telephone .....                          | 24 00      |              |
|  | <hr/>      | 1,799 75     |
| Amount unexpended .....                  |            | <hr/> \$0 25 |

## NORTH CAMBRIDGE BRANCH LIBRARY

## Salaries

|                         |            |
|-------------------------|------------|
| Appropriation .....     | \$2,211 50 |
| Expended .....          | 2,201 00   |
|                         | <hr/>      |
| Amount unexpended ..... | \$10 50    |

## General Expenses

|                     |            |
|---------------------|------------|
| Appropriation ..... | \$2,100 00 |
|---------------------|------------|

## EXPENDITURES

|  |          |              |
|--|----------|--------------|
| Binding .....                          | \$186 13 |              |
| Books, new .....                       | 641 97   |              |
| "    replaced .....                    | 365 22   |              |
| Periodicals .....                      | 237 10   |              |
| Furniture .....                        | 12 60    |              |
| Incidentals .....                      | 45 03    |              |
| Insurance .....                        | 48 00    |              |
| Lighting (including alterations) ..... | 275 05   |              |
| Printing, postage and stationery ..... | 151 89   |              |
| Repairs .....                          | 112 00   |              |
| Telephone .....                        | 24 90    |              |
|  | <hr/>    | 2,099 89     |
| Amount unexpended .....                |          | <hr/> \$0 11 |

Summary of the report of the Treasurer of the Board of Trustees from March 26, 1913, to March 26, 1914, will be found in the report of the City Auditor.



# ANNUAL REPORT OF THE ELECTRICAL DEPARTMENT

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OFFICE OF THE CITY ELECTRICIAN,

July 9, 1914.

*To the Honorable, the City Council, of the City of Cambridge:*

Gentlemen:—I submit herewith the fifteenth annual report of the electrical department for the fiscal year beginning April 1, 1913, and ending March 31, 1914.

## INSPECTION OF ELECTRICAL WIRING IN BUILDINGS

The accompanying table shows the amount of work done in this department during the past year compared with the year before. The amount of electrical inspection called for every year requires a larger force of inspectors, and I trust that an increased appropriation sufficient to employ at least one more will be forthcoming next year.

No fires in buildings from electrical wiring nor accidents from interior wiring were reported during the year.

## TABULATION OF INSPECTION OF INTERIOR WIRING

|  | April 1, 1912,<br>to March 31, 1913. | April 1, 1913,<br>to March 31, 1914. |
|--|--------------------------------------|--------------------------------------|
| Number of inspections .....                      | 2,250                                | 2,127                                |
| Number of installations inspected.....           | 900                                  | 866                                  |
| Capacity 16 c. p. incandescent lamps installed.. | 28,690                               | 24,390                               |
| Capacity low potential arcs installed .....      | 40                                   | 29                                   |
| Number of power motors installed .....           | 234                                  | 240                                  |
| H. P. of motors installed .....                  | 1,199                                | 1,144                                |
| Number of generators installed .....             | 5                                    | 6                                    |
| Number of defects noted .....                    | 636                                  | 480                                  |
| Number of unfinished inspections .....           | 36                                   | 50                                   |

## OUTSIDE WIRES AND POLES

Conditions in this branch of the department have changed but little since last year. I recommend that the pole locations asked for by the Boston Elevated Railway Company on Massachusetts Avenue



between City Hall and Lafayette Square be granted so that the existing wooden poles of the Cambridge Electric Light Company may be removed. Also that conduit locations be granted the Cambridge Electric Light Company on Massachusetts Avenue between Arlington Street and North Cambridge Junction, in order that the wooden poles and overhead wires may be removed and the present temporary wiring for the "Great White Way" lamps be placed underground, as originally planned. The removal of the wooden poles here will also necessitate the location of iron trolley poles by the Boston Elevated Railway Company. In general, I believe and recommend that conduit locations should be granted wherever it is feasible to put the wires underground in order that the poles and overhead wires may be removed.

The number of permits to replace poles issued during the year is as follows:—

|  |     |
|--|-----|
| Cambridge Electric Light Company.....            | 100 |
| New England Telephone and Telegraph Company..... | 59  |

The number of permits to run wires issued during the year is as follows:—

|  |       |
|--|-------|
| Cambridge Electric Light Company .....           | 0     |
| New England Telephone and Telegraph Company..... | 1,355 |
| Boston Elevated Railway Company.....             | 0     |

POLICE SIGNAL SYSTEM

This system has been operated with the same results as in former years. No changes have been made, and no new boxes have been added to the system during the past year.

FIRE ALARM SYSTEM

No marked changes have been made in the fire alarm system, but by hard work and close attention all alarms have been received and transmitted quickly and accurately.

The new quarters for the Electrical Department in the new Inman Square Building are practically ready, and the City Council should, without further delay, appropriate the money for a new fire alarm office equipment. The matter has been gone into thoroughly, and there should be no further delay. I trust that next year's City Council will pass the order for the appropriation early in the year. I also repeat my former recommendation for keyless doors on all fire alarm boxes not now so equipped.

One new box was installed as follows:—

327 Albany Street, corner Erie Street.

Following are a few statistics of the system:

|  |     |
|--|-----|
| Central station equipment .....                                    | 1   |
| Fire alarm boxes on the street .....                               | 137 |
| Fire alarm boxes on private premises .....                         | 35  |
| Fire alarm boxes with keyless doors .....                          | 90  |
| Fire alarm boxes with glass key boxes.....                         | 14  |
| Length of circuit wires in system in miles.....                    | 124 |
| Tower bells connected with system.....                             | 10  |
| Steam whistles connected with system .....                         | 3   |
| Tappers in firemen's houses .....                                  | 44  |
| Tappers in factories where firemen work.....                       | 6   |
| Tappers in electrical department men's houses.....                 | 3   |
| Tappers in fire department houses .....                            | 19  |
| Tappers other than above .....                                     | 18  |
| Telephones connected with the system .....                         | 23  |
| Total number of bell alarms for fire sounded during past year..... | 414 |
| Number of second alarms for fire sounded during past year.....     | 1   |
| Number of third alarms for fire sounded during past year.....      | 0   |
| Number of general alarms for fire sounded during past year.....    | 0   |
| Number of no school alarms sounded during past year.....           | 4   |
| Number of still alarms reported during past year.....              | 178 |

## OUTSIDE CONSTRUCTION WORK

Most of the outside construction work this year consisted in maintenance and repairs of the fire alarm and police telegraph wires, rather than in reconstruction as in past years, and in changing over on to new poles that were set to replace old poles. This maintenance consisted mainly in eliminating conditions which might later cause trouble on the circuits. The amount of circuit trouble decreases every year, but will reach a minimum only with underground wires.

## STREET LIGHTING

"Great White Ways" similar to the one established in North Cambridge last year were installed in the vicinity of Harvard Square and on Cambridge Street from Inman Square to Columbia Square, inclusive. The former consists of fifty-one inverted magnetite lamps, and the latter of twenty-seven. The change from tungsten lamps to inverted magnetite arcs for the Central Square White Way has been started, and will be completed about the middle of May. Altogether, there will be one hundred and seventy of these lamps installed in the four White Ways, eighty of which will burn all night every night, the

remaining ninety being extinguished at midnight. I recommend an extension of this form of lighting on the main streets until the White Ways eventually meet.

Eighty-seven orders for street lamps were passed by the City Council late in the year. Wherever in these locations poles already existed, the lamps were erected. Many of the lamps, however, require new pole locations, and these lamps will be installed as soon as the pole locations, for which petitions are before the city government, are granted.

During the past year His Honor the Mayor petitioned the Gas and Electric Light Commission for a reduction in the price of street lighting and the price of electricity for domestic lighting and power. Several hearings were held, and we are now awaiting the decision of the commission.

Tests are being made with the new nitrogen filled tungsten lamp for street lighting. If these tests show that the use of this lamp is advisable, the city will be able, by substituting it for the present tungsten lamps, to obtain better illumination for the same cost as at present.

The number and kind of lamps now in use for street lighting is as follows:—

|                                  | March 31, 1913 | March 31, 1914 | Increase |
|----------------------------------|----------------|----------------|----------|
| Carbon arc lamps .....           | 242            | 0              | 242†     |
| Magnetite arc lamps .....        | 0              | 133            | 133      |
| Tungsten arc lamps—200 c. p..... | 72             | 594            | 522      |
| Tungsten arc lamps—240 c. p..... | 474            | 140            | 334†     |
| Incandescent lamps .....         | 574            | 662            | 88       |
| Welsbach gas lamps .....         | 351            | 284            | 67†      |

†Decrease.

To His Honor the Mayor and the City Council I express my appreciation for courtesies extended to me during the year.

Respectfully submitted,

TIMOTHY C. O'HEARN,  
*City Electrician.*



# REPORT OF CITY MESSENGER.

---

September 18, 1914.

*To the Honorable, the City Council, Cambridge, Mass.*

Gentlemen:—In compliance with the provisions of Section 3 of Chapter 8 of the Revised Ordinances of 1892, I submit my report for the year ending March 31, 1914, as follows, viz:—

## POSTAGE AND STATIONERY.

|  |            |
|--|------------|
| Stock of Stationery on hand April 1, 1913..... | \$351 53   |
| Purchased during the year .....                | 1,925 51   |
|  | <hr/>      |
|  | \$2,277 04 |

Deliveries were as follows:—

|                                      |            |
|--------------------------------------|------------|
| Assessors' Department .....          | \$68 76    |
| Auditing Department .....            | 36 20      |
| Board of Health Department.....      | 75 75      |
| Cemetery Department .....            | 124 90     |
| City Clerk Department .....          | 135 27     |
| City Council Expenses .....          | 59 93      |
| City Messenger Department .....      | 46 23      |
| Clerk of Committees Department ..... | 57 30      |
| Election Expenses (City Clerk).....  | 198 23     |
| Electrical Department .....          | 42 80      |
| Engineering Department .....         | 19 20      |
| Executive Department .....           | 130 30     |
| Inspector of Animals .....           | 4 55       |
| Inspector of Milk and Vinegar.....   | 7 05       |
| Civil Service Registration .....     | 30         |
| Law Department .....                 | 43 92      |
| Overseer of Poor Department .....    | 49 00      |
| Park Department .....                | 75 41      |
| Public Library Department .....      | 216 24     |
| Sealer of Weights and Measures ..... | 10 65      |
| Sewer Department .....               | 18 68      |
| Soldiers' Aid Department .....       | 22 19      |
| Street Department .....              | 100 29     |
| Superintendent of Buildings .....    | 34 23      |
| Registrar of Voters .....            | 71 36      |
| Treasury Department .....            | 21 61      |
| Water Department .....               | 91 36      |
| Public Safety Commission .....       | 109 73     |
| Stock on hand, March 31, 1914.....   | 405 60     |
|                                      | <hr/>      |
|                                      | \$2,277 04 |

During the municipal year annual documents have been received from the following cities and towns and are on file in the reference library:—

|                    |         |                    |      |
|--------------------|---------|--------------------|------|
| Arlington .....    | 1912-13 | Lawrence .....     | 1912 |
| Bangor, Me. ....   | 1913    | Lowell .....       | 1912 |
| Belmont .....      | 1913    | Lynn .....         | 1912 |
| Beverly .....      | 1912    | Marlboro .....     | 1912 |
| Brockton .....     | 1912-13 | Nashua, N. H.....  | 1913 |
| Brookline .....    | 1912-13 | Newburyport .....  | 1913 |
| Chelsea .....      | 1912    | Newport, R. I..... | 1913 |
| Chicopee .....     | 1912    | Newton .....       | 1913 |
| Concord, N. H..... | 1912    | Taunton .....      | 1913 |
| Everett .....      | 1912    | Pittsfield .....   | 1913 |
| Fall River .....   | 1912    | Somerville .....   | 1913 |
| Fitchburg .....    | 1912    | Springfield .....  | 1913 |
| Gloucester .....   | 1912    | Waltham .....      | 1912 |
| Haverhill .....    | 1912    | Watertown .....    | 1913 |
| Holyoke .....      | 1912    | Woburn .....       | 1912 |

Respectfully submitted,

A. FRANK MONTGOMERY,  
City Messenger.







### TUBERCULOSIS HOSPITAL

Original building, front view. Opened July, 1908, as a Day Camp. Now used as administration building and wards for bed patients.



# REPORT OF THE BOARD OF HEALTH

---

January 1, 1914.

*To the Honorable, the City Council, of the City of Cambridge, Mass.:*

The Board of Health submits herewith the reports of its various departments for the year.

The following new regulations were adopted and put in force:

## *Regulation in Reference to Massage, Manicuring, Etc.*

ADOPTED MARCH 31, 1913

132. Original applications for license to practice manicuring, massage, etc., as provided in Chapter 443 of the Acts of 1911 as amended by Chapter 155 of the Acts of 1912, shall be accompanied by evidence of character satisfactory to the Board of Health.

Licenses shall be granted for the term of one year from June first, and are revocable at the discretion of the Board of Health.

A fee of one dollar shall be charged for each license or renewal.

All establishments for the purposes included in the above-mentioned act shall be open to inspection by the Board of Health or its agents at any time.

All present licenses shall expire May 31st, 1913.

## *Regulation in Reference to Barber Shops*

AMENDED JULY 7, 1913

Article 118, Section 3, of the Regulations of the Cambridge Board of Health is hereby amended to read as follows:

3. Separate clean towels shall be used for each person. No towel which has been used on one person shall be used on another until it has been properly laundered.

In the spring the Board had cards posted all over the city calling attention to the fly menace and requesting the public to help in cutting it down.

Early in the year a small epidemic of typhoid fever occurred which succumbed quickly to proper measures.

New legislation made it necessary for us to appoint another inspector of slaughtering. More calves are slaughtered in Cambridge under local inspection than in any other city or town in the Commonwealth.

The Board appreciates the necessity for retrenchment, and en-

deavors to run its increasing fields of work with the greatest economy possible. We feel, however, that the need of additional sanitary inspectors and school nurses is more urgent than ever before.

It is our opinion, also, that immediate steps should be taken to provide adequate hospital accommodation for scarlet fever and diphtheria on the Concord Avenue property owned by the city now, where there is plenty of room in an excellent location, and where all contagious diseases under the Board of Health by law could be concentrated at a much reduced cost of maintenance. Increase in the size of the Tuberculosis Hospital is absolutely necessary in the immediate future, and it is our opinion that any new construction should be of a permanent character.

Respectfully submitted,

ELIE H. LAPIERRE,  
JEREMIAH S. SULLIVAN,  
GEORGE A. WHITE, M. D.,

*Board of Health.*



## EXPENDITURES AND RECEIPTS

## EXPENDED FOR SALARIES

January 1—December 31, 1913

|  |            |             |
|--|------------|-------------|
| Medical inspector .....                        | \$2,000 00 |             |
| Bacteriologist .....                           | 1,080 00   |             |
| Clerk .....                                    | 1,094 77   |             |
| Secretary .....                                | 936 00     |             |
| Social worker .....                            | 780 00     |             |
| Sanitary inspectors .....                      | 2,350 46   |             |
| Plumber .....                                  | 1,096 92   |             |
| Driver .....                                   | 988 00     |             |
| Inspectors of slaughtering and provisions..... | 1,655 90   |             |
| School nurse .....                             | 1,012 83   |             |
| Assistant school nurse .....                   | 656 72     |             |
| School inspectors .....                        | 2,000 00   |             |
|  |            | <hr/>       |
|  |            | \$15,651 60 |

## EXPENDED FOR GENERAL EXPENSES

January 1—December 31, 1913

|  |          |            |
|--|----------|------------|
| Board and care:  |          |            |
| Rabies .....   | \$25 00  |            |
| Scarlet fever .....  | 3,289 50 |            |
| Tuberculosis .....   | 12 42    |            |
| Typhoid fever .....  | 669 08   |            |
|  |          | <hr/>      |
|  |          | \$3,996 00 |
| Reimbursement of other cities and towns, and of<br>the commonwealth: |          |            |
| Diphtheria .....   | \$204 64 |            |
| Measles .....  | 45 00    |            |
| Ophthalmia neonatorum .....  | 13 50    |            |
| Scarlet fever .....  | 652 36   |            |
| Tuberculosis .....   | 686 86   |            |
| Typhoid fever .....  | 109 86   |            |
|  |          | <hr/>      |
|  |          | 1,712 22   |
| Burning of dead animals .....  | 77 50    |            |
| Car tickets .....  | 650 00   |            |
| Collection of cultures .....   | 169 65   |            |
| Directories .....  | 8 33     |            |
| Disinfecting and inspection supplies.....                            | 270 24   |            |
| Express and freight .....  | 2 23     |            |
| Harness, wagon and ambulance, repairs and main-<br>tenance .....     | 37 28    |            |
| Horse board, storage and hire.....                                   | 462 56   |            |
| Horse shoeing, etc.....  | 63 70    |            |
| Ice .....  | 57 46    |            |
| Laboratory supplies .....  | 252 07   |            |
| Printing, postage, stationery and office supplies....                | 730 42   |            |
| Public sanitaries .....  | 50 28    |            |
| Telephones .....   | 115 84   |            |
| Incidentals .....  | 148 10   |            |
|  |          | <hr/>      |
|  |          | \$8,803 88 |

**EXPENDED FOR TUBERCULOSIS HOSPITAL**

January 1—December 31, 1913

## Salaries:

|                         |            |
|-------------------------|------------|
| Physician .....         | \$1,200 00 |
| Interne (1 month) ..... | 45 00      |
| Matron .....            | 832 60     |
| Nurses .....            | 2,271 14   |
| Caretaker .....         | 608 56     |
| Night watchman .....    | 541 71     |
| Cook .....              | 424 00     |
| Assistant cook .....    | 378 00     |
| Dishwasher .....        | 330 00     |
| Laundress .....         | 456 15     |
| Maid .....              | 318 00     |
| Scrub woman .....       | 378 00     |

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\$7,782 56

|   |                |
|---|----------------|
| Electric light and power.....           | 373 41         |
| Express .....                           | 2 03           |
| Fuel .....                              | 1,542 82       |
| Groceries and provisions.....           | 6,747 86       |
| Household supplies and furnishings..... | 911 23         |
| Ice .....                               | 225 88         |
| Medical and nursing supplies .....      | 756 85         |
| Milk .....                              | 2,172 07       |
| Repairs and alterations .....           | \$315 43       |
| Additional construction .....           | 1,856 74       |
| Additional equipment .....              | 493 21         |
|   | <hr/> 2,665 38 |
| Services of throat specialist .....     | 400 00         |
| Stationery and postage .....            | 85 54          |
| Telephones .....                        | 85 41          |
| Insuring boilers .....                  | 97 00          |
| Incidentals .....                       | 13 56          |

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\$23,861 60**EXPENDED FOR DIPHTHERIA HOSPITAL**

January 1—December 31, 1913

## Salaries:

|                     |            |
|---------------------|------------|
| Physician .....     | \$1,200 00 |
| Matron .....        | 780 00     |
| Nurses .....        | 1,704 49   |
| Houseman .....      | 810 00     |
| Cook .....          | 364 00     |
| Laundress .....     | 336 00     |
| House servant ..... | 311 14     |

---

\$5,505 63

|  |          |
|--|----------|
| Fuel .....                               | 285 97   |
| Gardening and garden supplies.....       | 14 56    |
| Gas .....                                | 95 20    |
| Groceries and provisions .....           | 1,748 06 |
| Household supplies and furnishings ..... | 90 23    |
| Ice .....                                | 62 53    |
| Medical and nursing supplies .....       | 173 34   |
| Milk .....                               | 333 53   |
| Repairs .....                            | 24 40    |
| Stationery and postage .....             | 33 35    |
| Telephone .....                          | 52 27    |
| Incidentals .....                        | 3 58     |

---

\$8,422 65

## EXPENDED FOR INSPECTION OF MILK AND VINEGAR

January 1—December 31, 1913

## Salaries:

|  |            |            |
|--|------------|------------|
| Inspector .....                        | \$1,200 00 |            |
| Collection of samples .....            | 810 00     |            |
|  | <hr/>      | \$2,010 00 |
| Car tickets .....                      |            | 40 00      |
| Printing, postage and stationery ..... |            | 97 78      |
| Supplies .....                         |            | 165 94     |
| Incidentals .....                      |            | 49 40      |
|  | <hr/>      | \$2,363 12 |

## EXPENDED FOR MODIFIED MILK

January 1—December 31, 1913

## Salaries:

|  |          |            |
|--|----------|------------|
| Modifying milk .....                   | \$184 00 |            |
| Nurses .....                           | 195 00   |            |
| Washing bottles .....                  | 77 50    |            |
| Distributing milk .....                | 134 50   |            |
|  | <hr/>    | \$591 00   |
| Printing, postage and stationery ..... |          | 24 37      |
| Supplies .....                         |          | 803 28     |
|  | <hr/>    | \$1,418 65 |

## RECEIPTS

January 1—December 31, 1913

## Board paid directly by patients:

|                     |          |            |
|---------------------|----------|------------|
| Diphtheria .....    | \$150 85 |            |
| Scarlet fever ..... | 221 60   |            |
| Tuberculosis .....  | 843 26   |            |
| Typhoid fever ..... | 20 00    |            |
|                     | <hr/>    | \$1,235 71 |

## Reimbursement from other cities and towns, and from the commonwealth:

|                            |            |             |
|----------------------------|------------|-------------|
| Diphtheria .....           | \$1,514 89 |             |
| Scarlet fever .....        | 2,091 97   |             |
| Tuberculosis .....         | 6,768 90   |             |
| Typhoid fever .....        | 159 57     |             |
|                            | <hr/>      | 10,535 33   |
| Tuberculosis subsidy ..... |            | 2,199 26    |
|                            | <hr/>      | \$13,970 30 |



VITAL STATISTICS.

DEATH RATE PER 1,000 LIVING FROM ALL CAUSES  
POPULATION, 109,631

| 1904  | 1905  | 1906  | 1907  | 1908  | 1909  | 1910  | 1911  | 1912  | 1913  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 14.24 | 14.79 | 14.80 | 15.21 | 16.06 | 14.71 | 14.99 | 15.15 | 13.01 | 13.41 |
| 15.02 | 15.56 | 15.77 | 15.28 | 15.71 | 14.97 | 15.43 | 15.97 | 14.05 | 14.12 |

For many years it has been the custom in this office to compute the death rate from the number of deaths of Cambridge residents, that is to say, by excluding from the total deaths the number of non-residents who died in the city, and to include the number of deaths of residents who died outside of Cambridge. We believe the resulting figures have been very nearly accurate.

In order to make our statistics comparable with those of the large cities and towns, and in accord with the method used by the United States Census Bureau, it has been deemed advisable, beginning this year, to base our figures on the number of deaths actually occurring in Cambridge. Therefore, to avoid confusion, as far as possible, the ten-year table given above gives the figures as obtained by both methods. Those in the upper line are based on the actual number of deaths in the city, those in the lower line on the number of deaths of Cambridge residents alone, no matter where they died.

It will be seen that the figures of the new method are more to our advantage than are those of the old.

The figures given for the population are estimated by the method adopted by the Bureau of the Census, and given as Method V on page 9 of Bulletin No. 108, by using the figures of the Massachusetts census of 1905, and the United States Census of 1910.

|  |       |       |
|--|-------|-------|
| Male death rate for 1913.....                                  | 14.23 | 15.31 |
| Female death rate for 1913.....                                | 12.66 | 13.03 |
| Mean annual death rate for the ten years 1904 to 1913 incl.... | 14.64 | 15.19 |

In this table the first column of figures is derived from the total number of deaths in the city, the second by excluding non-residents and including residents of Cambridge, who died outside the city.

Table A gives the causes of deaths by ages in accordance with the International Classification of Causes of Death, of those persons only who died in Cambridge, and includes non-residents.

Table B gives the number of cases reported, the morbidity per 1,000 living, the death rate per 1,000 living, including residents who died outside of Cambridge, and the death rate per 100 cases reported of diphtheria, scarlet fever, measles and typhoid fever for the years 1904 to 1913 inclusive. If the death rate per 1,000 living computed from deaths in the city only varies from that given in the table, the fact is stated in a footnote.

Table C gives the death rates per 1,000 living for cancer, diarrheal diseases, whooping-cough, bronchitis, pneumonia and tuberculosis for the years 1904 to 1913 inclusive, for Cambridge residents, and Table C 1 the same information for the year 1913 of those dying in the city, including non-residents.

BRADFORD H. PEIRCE, M.D.,  
*Medical Inspector.*

## Table A

[illegible]



Table A—Continued

[illegible]





Table A—Continued

[illegible]



Table A—Continued

[illegible]

Table A—Continued

[illegible]





Table B

|               | 1904                           | 1905  | 1906  | 1907  | 1908  | 1909  | 1910  | 1911  | 1912  | 1913  |
|---------------|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diphtheria    | Number of cases reported ..    | 330   | 350   | 517   | 422   | 278   | 310   | 397   | 264   | 219   |
|               | Morbidity per 1,000 living ..  | 3.42  | 3.59  | 5.23  | 4.15  | 2.69  | 2.96  | 3.72  | 2.44  | 1.997 |
|               | Death-rate per 1,000 living .. | 0.26  | 0.27  | 0.26  | 0.19  | 0.20  | 0.24  | 0.41  | 0.24  | 0.146 |
|               | Case death-rate, percentage    | 7.57  | 7.71  | 5.02  | 5.88  | 8.29  | 8.06  | 11.08 | 9.85  | 7.31  |
| Scarlet Fever | Number of cases reported ..    | 135   | 150   | 166   | 414   | 495   | 349   | 213   | 157   | 129   |
|               | Morbidity per 1,000 living ..  | 1.40  | 1.53  | 1.68  | 4.13  | 4.86  | 3.33  | 2.00  | 1.45  | 1.176 |
|               | Death-rate per 1,000 living .. | 0.03  | 0.04  | 0.06  | 0.10  | 0.11  | 0.05  | 0.06  | 0.02  | 0.018 |
|               | Case death-rate, percentage    | 2.22  | 2.66  | 3.62  | 2.41  | 2.22  | 1.43  | 2.82  | 1.27  | 1.55  |
| Measles       | Number of cases reported ..    | 481   | 112   | 631   | 60    | 1,197 | 287   | 605   | 1,015 | 1,085 |
|               | Morbidity per 1,000 living ..  | 4.99  | 1.14  | 6.38  | 0.60  | 11.76 | 2.74  | 5.67  | 9.39  | 9.897 |
|               | Death-rate per 1,000 living .. | 0.08  | 0.05  | 0.05  | 0.08  | 0.10  | 0.04  | 0.12  | 0.09  | 0.109 |
|               | Case death-rate, percentage    | 1.66  | 4.46  | 0.79  | 13.33 | 0.83  | 1.39  | 2.15  | 0.99  | 1.106 |
| Typhoid Fever | Number of cases reported ...   | 136   | 111   | 128   | 90    | 87    | 70    | 56    | 55    | 105   |
|               | Morbidity per 1,000 living ... | 1.41  | 1.13  | 1.29  | 0.90  | 0.85  | 0.67  | 0.53  | 0.51  | 9.578 |
|               | Death-rate per 1,000 living .. | 0.22  | 0.19  | 0.19  | 0.10  | 0.11  | 0.12  | 0.05  | 0.05  | 0.119 |
|               | Case death-rate, percentage    | 16.91 | 17.11 | 14.84 | 11.11 | 12.64 | 18.57 | 8.93  | 9.09  | 12.38 |

The death rate per 1,000 for those dying in Cambridge was for diphtheria, .128; scarlet fever, .000; measles, .109, and typhoid fever, .091.

Table C

|                                    | 1904                   | 1905 | 1906 | 1907 | 1908 | 1909 | 1910  | 1911  | 1912 | 1913   |
|------------------------------------|------------------------|------|------|------|------|------|-------|-------|------|--------|
| Death Rates<br>per 1,000<br>living | Cancer .....           | 0.87 | 0.77 | 0.83 | 0.77 | 0.81 | 0.63  | 0.86  | 0.79 | 0.976  |
|                                    | Diarrhoeal Diseases .. | 1.20 | 1.08 | 1.03 | 0.94 | 1.32 | 1.12  | 1.19  | 1.04 | 0.866  |
|                                    | Whooping Cough .....   | 0.03 | 0.14 | 0.46 | 0.10 | 0.28 | 0.066 | 0.048 | 0.07 | 0.1095 |
|                                    | Bronchitis .....       | 0.36 | 0.27 | 0.41 | 0.47 | 0.30 | 0.40  | 0.29  | 0.31 | 0.228  |
|                                    | Pneumonia .....        | 1.51 | 1.86 | 1.67 | 1.39 | 1.69 | 1.96  | 2.17  | 1.91 | 1.916  |
|                                    | Pulmonary Tuberculosis | 1.96 | 1.75 | 1.58 | 1.68 | 1.36 | 1.46  | 1.58  | 1.28 | 1.779  |

Table D, 1913

|                                    | Diphtheria | Scarlet Fever | Measles | Typhoid Fever | Pulmonary Tuberculosis | Other Forms Tuberculosis | Chicken Pox | Whooping Cough | Anterior Poliomyelitis | Epidemic Cerebro-Spinal Meningitis | Ophthalmia Neonatorum | Tetanus | Trachoma | Totals |
|------------------------------------|------------|---------------|---------|---------------|------------------------|--------------------------|-------------|----------------|------------------------|------------------------------------|-----------------------|---------|----------|--------|
| Jan. 1, 2, 3, 4....<br>Week ending | 3          | 2             | 3       | ....          | 5                      | ....                     | ....        | ....           | ....                   | ....                               | ....                  | ....    | ....     | 13     |
| January 11....                     | 5          | ....          | 14      | ....          | 5                      | ....                     | 13          | ....           | ....                   | ....                               | 1                     | ....    | ....     | 38     |
| 18....                             | 2          | 3             | 17      | 1             | 7                      | 2                        | 5           | 1              | ....                   | ....                               | 1                     | ....    | ....     | 39     |
| 25....                             | 8          | 3             | 17      | 2             | 7                      | 4                        | 16          | 10             | ....                   | ....                               | ....                  | ....    | ....     | 67     |
| February 1....                     | 7          | 3             | 8       | 4             | 4                      | 1                        | 11          | 5              | ....                   | 1                                  | 1                     | ....    | ....     | 45     |
| 8....                              | 4          | 1             | 8       | 17            | 5                      | 1                        | 3           | 1              | ....                   | ....                               | 1                     | ....    | ....     | 41     |
| 15....                             | 3          | 1             | 17      | 11            | 6                      | 2                        | 8           | 3              | ....                   | ....                               | 1                     | ....    | ....     | 49     |
| 22....                             | 3          | 3             | 20      | 6             | 5                      | ....                     | 28          | ....           | ....                   | ....                               | 3                     | ....    | ....     | 68     |
| March 1....                        | 6          | 4             | 39      | 4             | 6                      | ....                     | 6           | 1              | ....                   | ....                               | ....                  | ....    | ....     | 66     |
| 8....                              | 3          | 2             | 58      | 4             | 4                      | 1                        | 5           | 10             | ....                   | ....                               | ....                  | ....    | ....     | 87     |
| 15....                             | 9          | 5             | 73      | 1             | 7                      | ....                     | 10          | 7              | ....                   | ....                               | ....                  | ....    | ....     | 112    |
| 22....                             | 7          | 5             | 61      | 3             | 3                      | 2                        | 8           | 8              | ....                   | ....                               | ....                  | ....    | ....     | 97     |
| 29....                             | 6          | 3             | 52      | ....          | 5                      | ....                     | 2           | 5              | ....                   | ....                               | ....                  | ....    | ....     | 73     |
| April 5....                        | 6          | 2             | 53      | 1             | 9                      | 3                        | 3           | 3              | ....                   | ....                               | 2                     | ....    | ....     | 82     |
| 12....                             | 2          | 7             | 51      | 1             | 5                      | ....                     | 2           | 4              | ....                   | ....                               | ....                  | ....    | ....     | 72     |
| 19....                             | 3          | 1             | 46      | 1             | 4                      | ....                     | 4           | ....           | ....                   | ....                               | ....                  | ....    | ....     | 59     |
| 26....                             | 6          | 5             | 89      | 1             | 5                      | 1                        | 11          | 1              | ....                   | ....                               | 1                     | ....    | ....     | 120    |
| May 3....                          | 4          | ....          | 56      | 1             | 8                      | 2                        | 1           | 4              | ....                   | ....                               | ....                  | ....    | ....     | 76     |
| 10....                             | 2          | ....          | 47      | 1             | 4                      | 1                        | 6           | 1              | ....                   | ....                               | ....                  | ....    | ....     | 62     |
| 17....                             | 6          | 2             | 49      | 1             | 7                      | ....                     | 2           | 1              | ....                   | ....                               | 1                     | ....    | ....     | 69     |
| 24....                             | 7          | 2             | 57      | 1             | 3                      | 1                        | 4           | 4              | ....                   | ....                               | ....                  | ....    | ....     | 79     |
| 31....                             | 12         | 3             | 43      | ....          | 2                      | ....                     | 1           | ....           | ....                   | ....                               | 1                     | ....    | ....     | 62     |
| June 7....                         | 2          | 2             | 41      | ....          | 7                      | ....                     | 6           | ....           | ....                   | ....                               | 2                     | ....    | ....     | 60     |
| 14....                             | 5          | 1             | 34      | 1             | 6                      | 3                        | 3           | ....           | ....                   | 1                                  | ....                  | ....    | ....     | 54     |
| 21....                             | 2          | 2             | 25      | ....          | 7                      | ....                     | 3           | 2              | ....                   | ....                               | 1                     | ....    | ....     | 42     |
| 28....                             | 3          | 1             | 26      | 1             | 8                      | ....                     | ....        | ....           | ....                   | ....                               | ....                  | ....    | ....     | 39     |
| July 5....                         | 7          | 1             | 9       | 1             | 3                      | ....                     | 1           | ....           | ....                   | ....                               | ....                  | ....    | ....     | 23     |
| 12....                             | 4          | 2             | 9       | 1             | 5                      | ....                     | 1           | 6              | 1                      | 1                                  | ....                  | ....    | ....     | 30     |
| 19....                             | 4          | ....          | 4       | ....          | 4                      | ....                     | ....        | 3              | ....                   | ....                               | ....                  | ....    | ....     | 15     |
| 26....                             | 2          | ....          | 4       | 1             | 5                      | 2                        | ....        | 4              | ....                   | ....                               | 2                     | ....    | ....     | 20     |
| August 2....                       | 2          | 2             | 10      | 1             | 6                      | ....                     | ....        | 8              | ....                   | ....                               | 1                     | ....    | ....     | 30     |
| 9....                              | ....       | ....          | ....    | 3             | 6                      | ....                     | ....        | 3              | ....                   | ....                               | ....                  | ....    | ....     | 12     |
| 16....                             | 3          | ....          | 2       | 5             | 4                      | 3                        | ....        | ....           | ....                   | ....                               | ....                  | ....    | ....     | 17     |
| 23....                             | ....       | ....          | 3       | 2             | 12                     | ....                     | ....        | 6              | ....                   | ....                               | ....                  | ....    | ....     | 23     |
| 30....                             | 2          | 2             | 2       | 1             | 6                      | ....                     | ....        | ....           | 1                      | ....                               | ....                  | ....    | ....     | 14     |
| September 6....                    | 1          | 1             | 2       | 3             | 3                      | 3                        | 1           | 3              | 1                      | ....                               | 1                     | ....    | ....     | 19     |
| 13....                             | 1          | 1             | ....    | 2             | 4                      | 2                        | ....        | ....           | ....                   | ....                               | 2                     | ....    | ....     | 12     |
| 20....                             | 7          | 3             | ....    | 2             | 6                      | ....                     | ....        | 3              | ....                   | ....                               | 1                     | ....    | ....     | 22     |
| 27....                             | 6          | 1             | ....    | 2             | 4                      | 2                        | ....        | 5              | ....                   | ....                               | ....                  | ....    | ....     | 20     |
| October 4....                      | 7          | ....          | ....    | 3             | 3                      | ....                     | 1           | ....           | 1                      | ....                               | ....                  | ....    | ....     | 15     |
| 11....                             | 4          | 5             | ....    | 2             | 4                      | 1                        | 3           | 4              | ....                   | ....                               | 3                     | ....    | ....     | 26     |
| 18....                             | 4          | 1             | ....    | 3             | 3                      | 3                        | 2           | 1              | 1                      | ....                               | ....                  | 1       | ....     | 19     |
| 25....                             | 3          | 3             | ....    | 2             | 5                      | 1                        | ....        | ....           | 1                      | ....                               | ....                  | ....    | ....     | 15     |
| November 1....                     | 6          | 2             | 1       | 1             | 4                      | 3                        | 2           | ....           | ....                   | 1                                  | 1                     | ....    | ....     | 21     |
| 8....                              | 3          | 1             | ....    | 3             | 7                      | ....                     | 4           | 3              | ....                   | ....                               | ....                  | ....    | ....     | 21     |
| 15....                             | 2          | 2             | 4       | 1             | 2                      | ....                     | 5           | 22             | ....                   | ....                               | 2                     | ....    | ....     | 40     |
| 22....                             | 5          | 3             | 2       | 1             | 5                      | ....                     | 6           | 8              | 1                      | ....                               | ....                  | ....    | ....     | 31     |
| 29....                             | 8          | 6             | ....    | ....          | 7                      | ....                     | 6           | 4              | ....                   | ....                               | 2                     | 1       | ....     | 34     |
| December 6....                     | 5          | 4             | 3       | ....          | 6                      | 3                        | 12          | 14             | ....                   | ....                               | ....                  | ....    | ....     | 47     |
| 13....                             | 2          | 12            | 6       | 1             | 4                      | 2                        | 3           | 9              | ....                   | ....                               | 1                     | ....    | 2        | 42     |
| 20....                             | 3          | ....          | 9       | ....          | 4                      | 1                        | 4           | 5              | ....                   | ....                               | 1                     | ....    | ....     | 27     |
| 27....                             | 5          | 8             | 8       | ....          | 3                      | ....                     | 9           | 9              | ....                   | ....                               | 1                     | ....    | ....     | 43     |
| Dec. 28, 29, 30, 31                | ....       | 6             | 3       | 1             | 4                      | ....                     | 7           | 5              | ....                   | ....                               | 1                     | ....    | ....     | 27     |
| Totals .....                       | 219        | 129           | 1085    | 105           | 273                    | 50                       | 228         | 196            | 7                      | 4                                  | 35                    | 2       | 2        | 2335   |

Table E

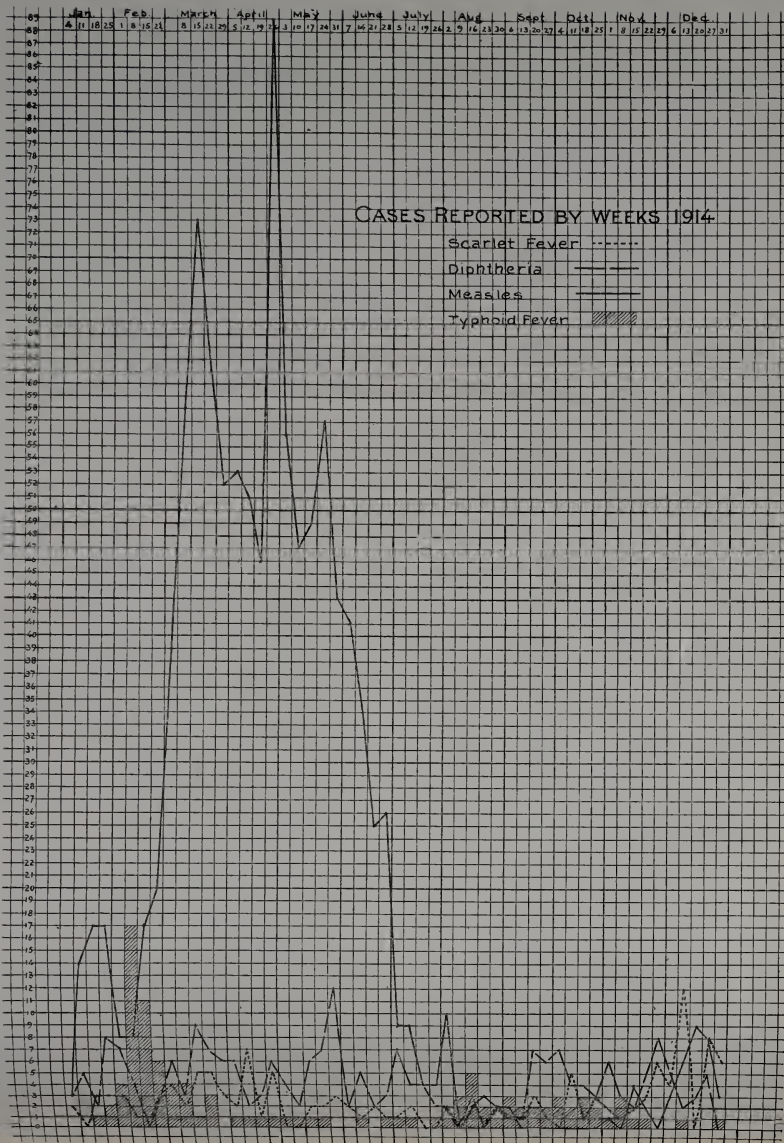
| Ward Jan. Feb. Mar. Apr. May June July Aug. Sept. Oct. Nov. Dec. Totals |    |      |      |      |      |      |      |      |      |      |      |      |      |      |
|---|----|------|------|------|------|------|------|------|------|------|------|------|------|------|
| DIPHThERIA  | 1  | 1    | 1    | 1    | 1    | .... | 1    | 1    | .... | .... | .... | .... | .... | 6    |
|   | 2  | 2    | 2    | 3    | 3    | 1    | 1    | 1    | .... | .... | .... | 1    | 3    | 17   |
|   | 3  | 2    | 1    | 5    | 1    | 1    | 1    | 5    | .... | 3    | 1    | 1    | 4    | 25   |
|   | 4  | 1    | 1    | 1    | 3    | 1    | .... | .... | .... | .... | .... | .... | .... | 7    |
|   | 5  | 2    | .... | .... | .... | 1    | .... | .... | .... | .... | .... | 2    | 3    | 8    |
|   | 6  | 2    | 3    | 3    | 2    | 2    | 2    | 3    | 1    | .... | 6    | 1    | 1    | 26   |
|   | 7  | 2    | 1    | 8    | 7    | 15   | 6    | .... | 1    | 6    | 13   | 6    | 3    | 68   |
|   | 8  | 4    | 3    | .... | .... | 2    | .... | 1    | .... | .... | .... | 1    | .... | 11   |
|   | 9  | 5    | 2    | 1    | 1    | 1    | .... | .... | .... | .... | 2    | 1    | .... | 13   |
|   | 10 | 3    | .... | .... | 1    | 1    | .... | 3    | .... | 6    | .... | .... | 1    | 15   |
|   | 11 | .... | .... | 4    | 1    | 2    | 2    | 4    | 3    | 2    | .... | 5    | .... | 23   |
| Totals  |    | 24   | 14   | 26   | 20   | 27   | 13   | 18   | 5    | 17   | 22   | 18   | 15   | 219  |
| SCARLET FEVER   | 1  | .... | 1    | 1    | 1    | .... | .... | 1    | .... | .... | .... | .... | 1    | 5    |
|   | 2  | .... | .... | 1    | 3    | .... | .... | .... | .... | .... | 1    | .... | 1    | 6    |
|   | 3  | 1    | 1    | 1    | .... | 1    | .... | .... | .... | 3    | 1    | .... | 5    | 13   |
|   | 4  | .... | 1    | 2    | 3    | .... | 1    | .... | .... | .... | 4    | 2    | .... | 13   |
|   | 5  | 2    | .... | 2    | 4    | 1    | .... | 1    | .... | 2    | 1    | .... | 4    | 17   |
|   | 6  | 2    | 2    | 2    | .... | .... | 2    | 1    | 1    | .... | 1    | 2    | 3    | 16   |
|   | 7  | .... | 2    | 1    | .... | .... | .... | 1    | .... | .... | 1    | 4    | 5    | 14   |
|   | 8  | 2    | 1    | 1    | 1    | 1    | 1    | .... | 1    | .... | 1    | 1    | 4    | 14   |
|   | 9  | 1    | .... | 1    | 1    | 1    | 2    | .... | .... | .... | 1    | 1    | 6    | 14   |
|   | 10 | .... | .... | 2    | .... | .... | 1    | .... | .... | .... | .... | 2    | 1    | 6    |
|   | 11 | 2    | 2    | 1    | 2    | 3    | .... | .... | .... | 1    | .... | .... | .... | 11   |
| Totals  |    | 10   | 10   | 15   | 15   | 7    | 7    | 3    | 3    | 6    | 11   | 12   | 30   | 129  |
| MEASLES   | 1  | 21   | 32   | 18   | 12   | 7    | 7    | 1    | .... | .... | .... | .... | 6    | 104  |
|   | 2  | 21   | 8    | 16   | 6    | 2    | .... | .... | .... | .... | 1    | 1    | 3    | 58   |
|   | 3  | 6    | 8    | 52   | 40   | 8    | 3    | 4    | 5    | 2    | .... | 2    | .... | 130  |
|   | 4  | 1    | 4    | 14   | 61   | 39   | 9    | 9    | .... | .... | .... | 1    | 1    | 139  |
|   | 5  | 2    | 1    | 27   | 18   | 17   | 5    | .... | .... | .... | .... | 1    | .... | 71   |
|   | 6  | 1    | 3    | 18   | 50   | 39   | 19   | 3    | .... | .... | .... | .... | .... | 133  |
|   | 7  | 2    | 1    | 11   | 24   | 32   | 18   | 6    | 2    | .... | .... | .... | 13   | 109  |
|   | 8  | 2    | 2    | 12   | 14   | 8    | 5    | .... | 1    | .... | .... | .... | 4    | 48   |
|   | 9  | .... | 11   | 82   | 18   | 29   | 14   | 2    | .... | .... | .... | .... | 2    | 158  |
|   | 10 | 1    | 2    | 1    | 6    | 17   | 21   | 4    | .... | .... | .... | .... | .... | 52   |
|   | 11 | 1    | 3    | 11   | 18   | 18   | 25   | 5    | 1    | .... | .... | 1    | .... | 83   |
| Totals  |    | 58   | 75   | 262  | 267  | 216  | 126  | 34   | 9    | 2    | 1    | 6    | 29   | 1085 |
| TYPHOID FEVER   | 1  | .... | 1    | 1    | .... | .... | .... | .... | 1    | .... | 1    | .... | 2    | 6    |
|   | 2  | .... | .... | .... | .... | .... | .... | .... | 1    | .... | .... | 2    | .... | 3    |
|   | 3  | .... | 3    | 2    | .... | 1    | 2    | .... | 1    | 4    | 3    | .... | .... | 16   |
|   | 4  | .... | .... | .... | 1    | .... | .... | .... | 1    | .... | .... | 2    | .... | 4    |
|   | 5  | 1    | 2    | .... | .... | 2    | .... | .... | 2    | .... | .... | .... | .... | 7    |
|   | 6  | .... | 4    | 1    | .... | .... | .... | .... | 2    | 2    | .... | .... | .... | 7    |
|   | 7  | .... | 4    | 1    | .... | .... | .... | .... | 2    | 2    | 4    | .... | .... | 13   |
|   | 8  | 3    | 6    | 2    | 1    | .... | .... | 1    | 2    | .... | 1    | .... | .... | 16   |
|   | 9  | 1    | 12   | 1    | .... | .... | 1    | 1    | 2    | 2    | 1    | 1    | .... | 20   |
|   | 10 | .... | 3    | .... | 1    | .... | .... | .... | 2    | .... | .... | .... | .... | 6    |
|   | 11 | .... | 5    | 1    | 1    | .... | .... | .... | .... | .... | .... | .... | .... | 7    |
| Totals  |    | 5    | 40   | 9    | 4    | 3    | 3    | 2    | 12   | 10   | 10   | 5    | 2    | 105  |
| WHOOPIING COUGH   | 1  | 10   | .... | 5    | 5    | .... | .... | .... | .... | .... | .... | 3    | .... | 23   |
|   | 2  | .... | .... | .... | 3    | .... | .... | 1    | .... | 3    | .... | 10   | 1    | 18   |
|   | 3  | .... | .... | .... | 1    | .... | .... | 1    | 1    | 3    | .... | 3    | 3    | 12   |
|   | 4  | .... | .... | .... | .... | 1    | .... | 7    | 5    | 1    | 1    | 1    | 3    | 19   |
|   | 5  | 2    | .... | .... | .... | .... | .... | 1    | .... | .... | 1    | .... | .... | 4    |
|   | 6  | 4    | 1    | 1    | .... | 1    | 2    | 6    | 5    | 3    | .... | .... | 6    | 29   |
|   | 7  | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | .... | 6    | 6    |
|   | 8  | .... | 2    | 9    | .... | .... | .... | .... | 3    | .... | .... | .... | .... | 14   |
|   | 9  | .... | 1    | 5    | .... | 1    | .... | .... | .... | .... | 3    | 10   | 6    | 26   |
|   | 10 | .... | 1    | 5    | .... | 2    | .... | .... | .... | .... | .... | 10   | 13   | 31   |
|   | 11 | .... | .... | 8    | .... | 1    | .... | .... | .... | 1    | .... | .... | 4    | 14   |
| Totals  |    | 16   | 5    | 33   | 9    | 6    | 2    | 16   | 14   | 11   | 5    | 37   | 42   | 196  |
| CHICKEN POX   | 1  | .... | .... | .... | .... | .... | .... | .... | .... | 1    | .... | 2    | 2    | 5    |
|   | 2  | 1    | .... | .... | .... | 1    | .... | .... | .... | .... | .... | 8    | 3    | 13   |
|   | 3  | 4    | 2    | 2    | .... | 1    | 2    | .... | .... | .... | 5    | 1    | 2    | 19   |
|   | 4  | .... | .... | .... | 1    | 2    | 1    | .... | .... | .... | 1    | 1    | 2    | 8    |
|   | 5  | 1    | 1    | 1    | 3    | 1    | .... | .... | .... | .... | .... | .... | 1    | 8    |
|   | 6  | 2    | 2    | 2    | 5    | 2    | 2    | .... | .... | .... | 1    | 3    | 11   | 30   |
|   | 7  | 3    | 2    | .... | .... | 2    | 2    | .... | .... | .... | .... | 4    | 12   | 25   |
|   | 8  | 7    | .... | 1    | 4    | 1    | 1    | .... | .... | .... | .... | .... | .... | 14   |
|   | 9  | 8    | 26   | 6    | 2    | 3    | .... | 2    | .... | .... | .... | 3    | 2    | 52   |
|   | 10 | 11   | 8    | 1    | 3    | 1    | .... | .... | .... | .... | .... | .... | .... | 24   |
|   | 11 | 7    | 5    | 13   | 1    | .... | 4    | .... | .... | .... | .... | .... | .... | 30   |
| Totals  |    | 44   | 46   | 26   | 19   | 14   | 12   | 2    | .... | 1    | 7    | 22   | 35   | 228  |
| TUBERCULOSIS<br>(All Forms)   | 1  | 5    | 1    | 4    | 6    | 2    | 6    | 1    | 4    | 2    | 2    | .... | 1    | 34   |
|   | 2  | 2    | 1    | 1    | 4    | .... | 4    | .... | 4    | 2    | 2    | .... | 2    | 22   |
|   | 3  | 3    | 2    | 7    | 2    | 3    | 6    | 3    | 5    | 5    | 3    | 2    | 2    | 43   |
|   | 4  | 5    | 2    | 3    | 1    | 2    | 3    | 1    | 5    | 1    | 2    | 4    | 2    | 31   |
|   | 5  | 4    | 2    | 1    | 1    | .... | 3    | 3    | 2    | 1    | .... | 1    | 5    | 23   |
|   | 6  | 1    | 9    | 6    | 7    | 3    | 1    | 2    | 4    | 7    | 3    | 4    | 3    | 50   |
|   | 7  | 4    | 1    | 1    | 3    | 2    | 3    | 4    | 4    | 4    | 4    | 5    | .... | 35   |
|   | 8  | 3    | 1    | .... | 1    | 4    | 3    | 1    | 2    | .... | 1    | 3    | 4    | 23   |
|   | 9  | 2    | 3    | 1    | 1    | 2    | 1    | 2    | 2    | 3    | 2    | 1    | 4    | 24   |
|   | 10 | 6    | 1    | 2    | 1    | .... | 1    | .... | .... | .... | 4    | .... | 2    | 17   |
|   | 11 | .... | 1    | 1    | 2    | 4    | 1    | 4    | 2    | .... | 3    | 1    | 2    | 21   |
| Totals  |    | 35   | 24   | 27   | 29   | 22   | 32   | 21   | 34   | 25   | 26   | 21   | 27   | 323  |



TABLE F, 1913

|                           | Under 1        | 1 to 2            | 2 to 3            | 3 to 4            | 4 to 5            | 5 to 10           | 10 to 15          | 15 to 20          | 20 to 30          | 30 to 40          | 40 to 50          | 50 to 60          | 60 to 70          | 70 to 80          | Over 80 | Totals             |
|---------------------------|----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|---------|--------------------|
| Diphtheria                | M.<br>F.<br>P. | 8<br>7<br>15      | 8<br>8<br>16      | 11<br>11<br>22    | 14<br>10<br>24    | 35<br>36<br>71    | 11<br>26<br>37    | 2<br>2<br>4       | 8<br>5<br>13      | 1<br>9<br>10      | 1<br>1<br>2       | 1<br>...<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...     | 102<br>117<br>219  |
| Scarlet Fever             | M.<br>F.<br>P. | ...<br>...<br>... | 2<br>4<br>6       | 5<br>6<br>11      | 6<br>9<br>15      | 26<br>27<br>53    | 7<br>13<br>20     | 6<br>4<br>10      | 3<br>4<br>7       | 1<br>2<br>3       | ...<br>1<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | 57<br>72<br>129    |
| Measles                   | M.<br>F.<br>P. | 50<br>53<br>103   | 55<br>44<br>99    | 58<br>47<br>105   | 66<br>58<br>124   | 222<br>253<br>475 | 26<br>37<br>63    | 7<br>13<br>20     | 20<br>28<br>48    | 5<br>6<br>11      | 1<br>1<br>2       | ...<br>1<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...     | 523<br>562<br>1085 |
| Chicken Pox               | M.<br>F.<br>P. | 8<br>8<br>16      | 7<br>7<br>14      | 9<br>5<br>14      | 12<br>11<br>23    | 56<br>65<br>121   | 8<br>10<br>18     | 2<br>3<br>5       | 10<br>2<br>12     | ...<br>1<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | 114<br>114<br>228  |
| Whooping Cough            | M.<br>F.<br>P. | 9<br>12<br>21     | 12<br>17<br>29    | 7<br>16<br>23     | 14<br>15<br>29    | 42<br>34<br>76    | ...<br>1<br>1     | ...<br>...<br>... | ...<br>...<br>... | 1<br>1<br>2       | ...<br>...<br>1   | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | 92<br>104<br>196   |
| Typhoid Fever             | M.<br>F.<br>P. | ...<br>...<br>... | 2<br>2<br>4       | 2<br>...<br>2     | ...<br>...<br>... | 6<br>4<br>10      | 8<br>7<br>15      | 8<br>4<br>12      | 17<br>17<br>34    | 8<br>3<br>11      | 5<br>4<br>9       | 3<br>1<br>4       | 1<br>2<br>3       | ...<br>1<br>1     | ...     | 60<br>45<br>105    |
| Pulmonary Tuberculosis    | M.<br>F.<br>P. | ...<br>3<br>3     | ...<br>...<br>... | ...<br>...<br>... | 1<br>...<br>1     | 4<br>4<br>8       | 3<br>7<br>10      | 11<br>11<br>22    | 54<br>38<br>92    | 28<br>22<br>50    | 34<br>16<br>50    | 16<br>7<br>23     | 4<br>5<br>9       | 1<br>2<br>3       | ...     | 157<br>116<br>273  |
| Anterior Poliomyelitis    | M.<br>F.<br>P. | 1<br>...<br>1     | ...<br>...<br>... | ...<br>2<br>2     | ...<br>...<br>... | ...<br>1<br>1     | ...<br>...<br>... | ...<br>...<br>... | 1<br>...<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | 3<br>4<br>7        |
| Cerebro-Spinal Meningitis | M.<br>F.<br>P. | ...<br>1<br>1     | 1<br>...<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | 1<br>...<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | 2<br>2<br>4        |
| Tetanus                   | M.<br>F.<br>P. | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | 1<br>...<br>1     | 1<br>...<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | 2<br>...<br>2      |
| Trachoma                  | M.<br>F.<br>P. | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...<br>1<br>1     | ...<br>...<br>... | ...<br>1<br>1     | ...<br>...<br>... | ...<br>...<br>... | ...<br>...<br>... | ...     | ...<br>2<br>2      |

14293  
2229





## DISEASES DANGEROUS TO THE PUBLIC HEALTH

The total number of cases of diseases dangerous to the public health reported in 1913 was 2,335, 239 more than the number reported last year, and 430 more than in 1911. As in 1912, scarlet fever and diphtheria showed a decrease from the previous year.

Table B gives the number of cases reported and the death rates for diphtheria, scarlet fever and measles, corrected according to the figures given by the latest census. The footnote shows the actual death rate for these diseases; that is, considering the deaths in Cambridge, including non-residents and excluding those dying outside of Cambridge, although their homes were here.

Table D gives the cases of diseases as reported each week.

Table E gives the cases as reported by wards each month.

Table F gives the cases according to age and sex distribution.

## DIPHTHERIA

Of this disease 219 cases were reported in 1913 as against 264 in 1912. They were fairly evenly distributed throughout the year, and at no time did we have what might be called even a mild outbreak. Of the 219 cases 94, or 42.9 per cent., went to the hospital. The average daily number of patients was 6.38.

## SCARLET FEVER

Not since 1901 has there been such a small number of cases of scarlet fever reported as in 1913. This year there were only 129 cases. Here again there was no epidemic. Each week there were from none to five cases reported, exceeding five once in April, once in November, and three times in December. Fifty-seven cases, or 44.2 per cent., went to the hospital.

## MEASLES

From January to July we had over a thousand cases of measles occurring in all parts of the city. About the first of July the epidemic seemed to cease rather suddenly, and from then on we had but 81 cases. The total for the year was 1,085. The highest number we have ever had was 1,197 in 1908. Last year we had 1,015.

## TYPHOID FEVER

In January and February we had an epidemic of forty-nine cases of typhoid fever, all traceable to the milk of one dealer. The first case was reported January 14th, the second and third over a week later, on January 23d. Six days later the fourth case was reported, and between February 1st and 19th most of the rest of them. As soon as investigation pointed to the faulty dairy pasteurization was ordered, and about the same time a carrier was discovered. No further trouble ensued from this source. Nearly all of these cases showed no positive Widal, or showed it only very late in the course of the disease.

An interesting thing in this inquiry was the fact that an average period of nineteen days elapsed between the date of first symptoms and the report to the Board of Health. Adding fourteen days for incubation, it would make an average period of thirty-three days from the date of infection to the date of notice to the Board of Health, quite a handicap to overcome in heading off an outbreak.

Our total number of cases was 105. Following the flare-up of January and February, they were quite evenly distributed throughout the year.

Twenty-one cases, or 20 per cent., were sent to the hospital.

There has been a steadily increasing demand for typhoid prophylactic, which should continue.

## TUBERCULOSIS

The fact that we have an increasing number of cases of tuberculosis reported does not mean that there are more cases in the city, but that the physicians are reporting their cases better. Last year there were 23 cases on which the first notice was the death certificate. This year there were but 13 not reported until death. Seven of them were pulmonary, and were of such a nature as to make the diagnosis very difficult.

Of pulmonary tuberculosis 273 cases were reported, and of other forms 50, a total of 323. If we subtracted the 13 cases not known to us until dead, we have 310 cases to which it was possible to offer treatment. One hundred twenty-two went to hospitals, 39.3 per cent. One hundred one, or 32.5 per cent., went to our hospital, and twenty-one, or 6.7 per cent., went to other institutions. One left Cambridge. Of the same 340 cases 22 died within a week of the time they were re-

ported, one of them at our hospital, and 20 of the 340 cases from a week to a month after being reported, 6 of them at our hospital.

The average daily number of patients at our hospital this year was 54.14.

From 1910 to 1913 we were responsible for 52 patients at State sanatoria. Recent inquiry concerning the condition of these patients brought out the following information. Thirty-one are dead, nine are still under treatment, two are working in sanatoria, two are well in Cambridge, six are well living elsewhere, one is poorly, and no report could be obtained of one who is living outside of Cambridge.

### OTHER INFECTIOUS DISEASES

An increase in all the reportable diseases not reported above occurred this year. The increase of 11 cases of ophthalmia neonatorum over last year is not due probably to the fact that more cases existed so much as to the fact that more existing cases were reported. When an addition is made to the list of diseases dangerous to the public health, as was recently the case with ophthalmia neonatorum, it takes a remarkably long time for those whose duty it is to report to get into the way of doing so.

There were reported as follows:

|   |      |                    |
|---|------|--------------------|
| Chicken pox .....                       | 228, | 19 more than 1912  |
| Whooping cough .....                    | 196, | 105 more than 1912 |
| Anterior poliomyelitis .....            | 7,   | 5 more than 1912   |
| Epidemic cerebro-spinal meningitis..... | 4,   | 1 less than 1912   |
| Ophthalmia neonatorum .....             | 35,  | 11 more than 1912  |
| Tetanus .....                           | 2,   | 1 more than 1912   |
| Trachoma .....                          | 2,   | 2 more than 1912   |

In the fall and winter we had a large number of cases of German measles, not a reportable disease, but very often confused with scarlet fever and measles.

BRADFORD H. PEIRCE, M. D.,

*Medical Inspector.*



## BACTERIOLOGICAL LABORATORY

The work of the laboratory for the year 1913 has been summarized in the figures given below. The total number of examinations is 207 more than in the year preceding.

Of the 219 cases of diphtheria reported to the Board 1913, or 88 per cent., were confirmed by positive cultures in this laboratory. Last year the percentage was 76, with 264 cases reported. There is an increase in the number of reports of "no growth," due, principally, to interference with our incubator once in April, resulting in the loss of all the cultures for that day. The use of tubes from which the media has almost entirely disappeared still continues occasionally, and for this, as well as other reasons, I should like to recommend again that the number of our culture stations be reduced.

Of 105 reported cases of typhoid fever we found a positive Widal reaction in 61, or 58 per cent., the highest percentage so far obtained. Last year there were 55 cases with 47 per cent. positive Widal's.

The examinations of sputum for tubercle bacilli continue to increase: 858 this year compared with 779 in 1912. Experiments carried on part of the year with the albumin test for tubercular sputum showed that it was not a reliable method.

The "other examinations" were for various organisms in pus and blood.

DIPHThERIA

|                | POSITIVE  |         | NEGATIVE  |         | No Growth | Total |
|----------------|-----------|---------|-----------|---------|-----------|-------|
|                | Diagnosis | Release | Diagnosis | Release |           |       |
| January.....   | 22        | 26      | 65        | 49      | 5         | 167   |
| February.....  | 14        | 24      | 51        | 47      | 3         | 139   |
| March.....     | 24        | 37      | 71        | 36      | 7         | 175   |
| April.....     | 18        | 47      | 62        | 67      | 10        | 204   |
| May.....       | 22        | 22      | 56        | 38      | 4         | 142   |
| June.....      | 12        | 14      | 36        | 49      | 1         | 112   |
| July.....      | 17        | 10      | 21        | 40      | 2         | 90    |
| August.....    | 4         | 2       | 19        | 19      | 2         | 46    |
| September..... | 14        | 7       | 27        | 27      | 2         | 77    |
| October.....   | 19        | 40      | 34        | 51      | 4         | 148   |
| November.....  | 15        | 28      | 29        | 48      | 1         | 121   |
| December.....  | 12        | 29      | 58        | 60      | 2         | 161   |
| Total.....     | 193       | 286     | 529       | 531     | 43        | 1,582 |

|                | TUBERCULOSIS |          |       | TYPHOID  |          |       | Other<br>Examina-<br>tions | Total |
|----------------|--------------|----------|-------|----------|----------|-------|----------------------------|-------|
|                | Positive     | Negative | Total | Positive | Negative | Total |                            |       |
| January.....   | 24           | 66       | 90    | 3        | 15       | 18    | 1                          | 109   |
| February.....  | 23           | 61       | 84    | 27       | 45       | 72    | 2                          | 158   |
| March.....     | 18           | 58       | 76    | 7        | 20       | 27    | 1                          | 104   |
| April.....     | 14           | 51       | 65    | 1        | 13       | 14    | 1                          | 80    |
| May.....       | 21           | 40       | 61    | 0        | 12       | 12    | 3                          | 76    |
| June.....      | 19           | 46       | 65    | 0        | 13       | 13    | 1                          | 79    |
| July.....      | 16           | 44       | 60    | 1        | 16       | 17    | 1                          | 78    |
| August.....    | 38           | 50       | 88    | 7        | 17       | 24    | 1                          | 113   |
| September..... | 25           | 66       | 91    | 6        | 25       | 31    | 1                          | 123   |
| October.....   | 24           | 38       | 62    | 4        | 21       | 25    | 1                          | 88    |
| November.....  | 16           | 46       | 62    | 3        | 8        | 11    | 1                          | 74    |
| December.....  | 15           | 39       | 54    | 2        | 9        | 11    | 1                          | 66    |
| Total.....     | 253          | 605      | 858   | 61       | 214      | 275   | 15                         | 1,148 |

Total examinations for the year, 2,730.

ALLAN F. BARNES, M.D.,  
*Bacteriologist.*

INSPECTION OF MILK AND VINEGAR

I respectfully submit the following report from the Department of Milk and Vinegar for the year 1913.

The total number of samples collected and examined was 3,595, as follows :

|   |       |
|---|-------|
| Number of samples from wagons .....                       | 1,241 |
| Number of samples from stores.....                        | 1,065 |
| Number of samples brought in by milkmen and citizens..... | 162   |
| Number of samples examined bacteriologically.....         | 745   |
| <hr/>   |       |
| Total milk samples .....                                  | 3,213 |
| Number of vinegar samples .....                           | 48    |
| Number of butter samples.....                             | 85    |
| Number of ice cream samples.....                          | 32    |
| Number of sediment tests on milk.....                     | 188   |
| Number of cream samples .....                             | 29    |
| <hr/>   |       |
| Total samples examined .....                              | 3,595 |

The figure representing the total number of samples appears somewhat smaller than that of last year. This is due to the effort on the part of the office to include in its scope of work many features of the milk question other than collecting and examining.

The average quality of the milk from a chemical standpoint was lower than that of last year, yet well above the requirements demanded by the Massachusetts standard, the fat content being 3.49 per cent., and the total solids 12.42 per cent. On the other hand, the department found it necessary to send out fewer notices this year for milk below the standard, 318 being sent out as against 384 last year.

The average fat content of milk collected from wagons was 3.62 per cent., while that from stores was only 3.37 per cent. These figures indicate clearly the advisability of householders purchasing their milk directly from dealers, rather than from shop-keepers. Milk is a fluid readily reduced in quality by the careless handling and improper methods of mixing to which storekeepers usually subject it. Shop-keepers' milk should be utilized by the consumer merely as an emergency supply, and not accepted, as is so generally the custom, for its face value. The poorer sections, and chiefly the children, suffer most from the sale of this impoverished milk, as the greater portion of their supply reaches them through the medium of the small store-keeper.



The following regulation, which you have already adopted, will help to correct this evil and lift the store supply to the level of dealers' milk.

### REGULATION

No person or firm shall sell, or offer, expose or keep for sale, in any shop, store, or other place, milk or cream, unless the same is sold, or offered, exposed or kept for sale, in tightly closed or capped bottles or similar containers. Nothing contained herein shall prevent the sale of milk or cream from cans, coolers, or other receptacles in restaurants, hotels, or at soda fountains, when the milk or cream is to be consumed in the restaurant or hotel, or at the soda fountain.

No person or firm shall sell, or offer, expose or keep for sale at retail, milk or cream, in the room or store where same is put into bottles or receptacles.

This regulation shall go into effect on May 1, 1914.

The economical aspect of this question is not the most important one. The bacterial contamination of loose milk from unclean receptacles and from dirt particles entering the milk is enormous. A sample collected from one store showed upon analysis a bacterial content of over 17,000,000 organisms to the cubic centimeter. A number of dealers object to this regulation on the grounds that it works an unfair hardship on them by reason of the non-return of bottles. A remedy for this condition is open to them whenever they decide to agree upon charging for the bottles.

A larger number of applications for licenses to sell milk was received this year than last, both from dealers and store-keepers, 91 dealers applying and 633 stores. The majority of these permits are issued in April and May, as the licenses expire June 1st of each year. To the delinquents, notices are sent informing them of the expiration of their licenses. There are a few of the more careless shop-keepers who pay little or no attention to this notice, and as their number appears to be on the increase, it is the intention of this office to deal more drastically with them in the future.

The number of court proceedings this year was fourteen. Most of the actions were for sale of milk below the standard. The following is a summary of the year's prosecutions:

|   |               |
|---|---------------|
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined \$10.00 |
| For sale of milk not being licensed.....  | Fined 10.00   |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 10.00   |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 25.00   |

|   |                              |
|---|------------------------------|
| For interference with collector in performance of his duty .....                | Found guilty, placed on file |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 10.00                  |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined \$40.00, appealed      |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 10.00                  |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 5.00                   |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 10.00                  |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 10.00                  |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 10.00                  |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 15.00                  |
| For possession, with intent to sell, of milk not of good standard quality ..... | Fined 20.00                  |

Many other complaints were investigated and dealt with outside of court, such as dirty milk rooms used by dealers for bottling milk, unclean ice-chests, milk left out on floor, dirty milk bottles, foreign bodies in same, rancid butter, dirty stores and many other similar ones.

In two instances the office assisted the Board in suppressing the sale of milk found contaminated with disease-bearing organisms, one of which was a small typhoid epidemic, in which a carrier was found at the dealer's dairy. The source of infection was immediately removed, and a pasteurizing plant installed, after which no more cases came down. The second was a case in which the routine sediment examination revealed the presence of streptococci in a dealer's supply. On the following day, sediment examinations on the milk from each of the dairies supplying this dealer readily detected the offending dairy, and with the assistance of the dairy inspection department of Boston (as this dealer also sold milk in Boston) a cow was found on the following day, at the dairy referred to, suffering from mastitis. This cow's milk had infected the dealer's whole supply.

Of 188 examinations made on milk just arrived from the dairy, 82 samples were found to contain a very large amount of visible dirt, and 68 a moderate amount, leaving only 38 that might be classified as clean. The department needs, however, the co-operation of the dealers in this important question of bettering dairy conditions. Milkmen should insist that the dairies supplying them live up to certain requirements, and likewise withdraw their market from dairies refusing to produce under sanitary conditions.



## BACTERIOLOGY

Seven hundred forty-five samples of milk were collected and examined for bacteria.

The findings show that about one-half the milk delivered in Cambridge contains less than 100,000 bacteria to the cubic centimeter, slightly less than a third contains between 100,000 and 500,000 bacteria, and the remainder, about 16 per cent., contains more than 500,000 bacteria. These figures indicate marked progress this year as against last year in the clean milk campaign, yet the supply should be much cleaner than this. A much larger proportion of the milk should contain less than 100,000 bacteria to the cubic centimeter. One great cause for this high bacterial count is the insufficient iceing of the milk at the farms and during transportation. The dealers must assist the office in correcting this evil, otherwise this milk will be excluded at the platforms.

Likewise, we must again ask the dealers to encourage their farmers in the use of the small-mouthed milk-pail. This will exclude easily one-half the dirt which our sediment examinations show is present in considerable quantity in a large proportion of our milk supply. Straining out the dirt does not remove the bacteria; they pass through the filter and remain to contaminate and sour the milk.

The milk supply has been unusually free from contamination with the more harmful bacteria of the streptococci group, they having been found present in but three samples. In each instance an endeavor has been made, as described above, to eliminate the source of this infection, and pasteurization ordered until this end has been accomplished.

The milk from stores shows upon bacterial examination a much higher count than that of dealers, as mentioned above. Over two-thirds of the samples collected showed count over 500,000. The reasons for this have been stated above, the dip-tank, dirty dipper, improper iceing, and general uncleanness; and it is to be hoped that the new regulation pertaining to the bottling of milk will correct this condition.

## VINEGAR

Forty-eight samples of vinegar were collected and examined. No samples were found in which analysis failed to show less than  $4\frac{1}{2}$  per cent. acetic acid, or in which cider vinegar samples fell low in total solid content. No actions were found necessary.



BUTTER—OLEOMARGARINE

Eighty-five samples of butter were collected and examined.

Only ten dealers applied this year for licenses to sell oleomargarine. No cases were detected in which oleomargarine or renovated butter was substituted for butter; no cases in which oleomargarine or renovated butter was not properly labelled.

MODIFIED MILK

The same five stations as last year were opened for the distribution of modified milk. The work accomplished was as follows:

|  |        |
|--|--------|
| Total number of babies fed.....                    | 163    |
| Total number of feedings sent out.....             | 36,432 |
| Largest number of bottles sent out on one day..... | 570    |
| Largest number of babies fed in one day.....       | 93     |
| Number of babies on last day.....                  | 76     |
| Number of feedings on last day .....               | 473    |

These figures show a slight increase over the work done last year, yet indicate insufficient enthusiasm on the part of the public for a clean infant food.

It is to be hoped that in the future the physicians will continue to assist the work of the office in this direction and impress mothers with the advantages open to them for feeding to their offspring clean milk.

The department wishes to commend Miss Rena Schlesinger for her excellent work in the laboratory, and to express its gratitude to the Cambridge Visiting Nursing Association for its assistance in dispensing the milk.

WILLIAM A. NOONAN, M. D.,  
*Inspector of Milk and Vinegar.*

## DIPHTHERIA HOSPITAL.

Herein I respectfully submit the report of the Diphtheria Hospital for the year ending December 31st, 1913.

On January 1st, 1913, there remained in the hospital from the year preceding 12 patients—females, 7; males, 5.

During the year 1913, 94 new patients were admitted to the hospital—females, 51; males, 43; cases 21 years of age and over, 5; cases between fourteen years and twenty-one years, 3; cases under fourteen years, 86; cases under five years, 46.

Cultures of 87 cases admitted demonstrated the presence of the Klebs-Loeffler bacillus, and 7 showed negative cultures; 3 of these were laryngeal types of diphtheria, and of the remaining 4 negatives 3 were pronounced cases of clinical diphtheria, and the other being undoubtedly a case of tonsilitis.

During the year 7 cases of measles and 4 cases of pneumonia developed in the ward. No case of scarlatina or varicella was found throughout the year.

The operation of tracheotomy was performed on two moribund cases; one case survived and was discharged well, the other died of pneumonia after a prolonged stay. One operation was done for septic glands of the neck and made a clean recovery.

Twenty-four laryngeal cases were admitted, requiring 7 intubations, 4 of which resulted in death.

Total number of deaths, 7; mortality, 6.66 per cent., or 3.7 per cent. below the average of the past fourteen years since the establishment of the hospital.

The average duration of stay for all cases was 22.5 days, longest period of stay of any individual case was 76 days and the shortest was 30 minutes.

The duration of stay in the hospital of all fatal cases was as follows:

|            |       |   |      |
|------------|-------|---|------|
| 30 minutes | ..... | 1 | case |
| 8 hours    | ..... | 1 | "    |
| 11 hours   | ..... | 1 | "    |
| 3 days     | ..... | 1 | "    |
| 4 days     | ..... | 1 | "    |
| 7 days     | ..... | 1 | "    |
| 69 days    | ..... | 1 | "    |

During the year 1913, 219 cases of diphtheria were reported to

the Board of Health. Only 94 cases, or 42.9 per cent. of these were sent to this hospital.

While the former dread of diphtheria has been largely eliminated by knowledge of modern methods of treatment, this widespread knowledge has occasionally proven dangerous in the hands of the laity who are prone to become careless and too reliant upon the popular belief in the miraculous curative action of the diphtheria antitoxin and the O'Dwyer intubation tube.

Too much emphasis cannot be laid on the importance of effective isolation and treatment in the early stages of any suspicious case of sore throat. In this manner alone can the health of the community be protected from the fatal consequences of septic and laryngeal diphtheria.

PATRICK J. FLEMING, M. D.







### TUBERCULOSIS HOSPITAL

"Shacks" looking north. Opened September, 1908. Used as sleeping quarters for ambulant cases.



## TUBERCULOSIS HOSPITAL.

I respectfully submit the following report of the work done at the Cambridge Tuberculosis Hospital during the year 1913.

On January 1, 1913, there remained in the hospital from the previous year 39 cases. During the present year we admitted 183 new cases, and readmitted 18 cases, making a total of 240 cases treated during the year.

### RESIDENTS

Of the 39 cases remaining from the previous year, 2 were patients admitted in 1908, 1 in 1909, 1 in 1910, 5 in 1911, and 12 in 1912.

1908. Two advanced cases; positive sputum. Both have been readmitted a number of times. Result, both died in hospital in 1913.

1909. One; entered as a moderately advanced case. Has been readmitted a number of times. Average stay in the hospital was two years. Result, died in hospital in 1913.

1910. One; admitted as a moderately advanced case; absence six months; stay in hospital one year and six months. Patient still in hospital.

1911. Five cases. One case incipient; stay in hospital 26 days; result, died. Two cases were admitted as moderately advanced; both are still in hospital, unimproved; one has a complication, tuberculosis of antrum.

1912. Twelve cases. Four were admitted as incipient cases; one was discharged improved, stay four months and nine days; one was transferred to Rutland, since died; one stayed in hospital, one month and seven days, still living; one stayed fifteen days, was discharged improved, has since died. Eight were admitted as moderately advanced cases; one died, the remainder are living; one was transferred to Westfield, one is in the hospital, one was discharged arrested.

Of the fourteen admitted as advanced cases, six are not living, seven are living; five are living in the hospital; three were discharged improved.



## READMISSIONS

Eighteen cases were readmitted this year, as against thirty-one last year. Two were patients of 1909, one patient of 1910, three patients of 1911, five patients of 1912, and seven patients of 1913.

*Incipient.* Two were incipient when first admitted, were discharged improved, and readmitted as incipient cases. They were discharged after an average stay of six months as arrested cases.

*Moderately advanced* Nine cases (two of 1909, one of 1910, one of 1911, two of 1912, and three of 1913) were originally admitted as moderately advanced. Three were readmitted as moderately advanced cases after an absence ranging from twenty days to two years. Six were admitted as advanced cases. Result at end of year: three were discharged as arrested, five were in hospital, unimproved, two improved.

*Advanced.* Seven cases (one of 1911, three of 1912, and three of 1913) were originally admitted as advanced cases. Four were discharged as unimproved; three discharged as improved were readmitted as advanced cases. Three are in the hospital, two improved, one unimproved; two have been discharged; two are dead.

## NEW CASES

During the year we admitted 183 new cases, as against 105 last year.

**Stages.** Thirteen patients were admitted as incipient cases, thirty as moderately advanced, and one hundred eighteen as advanced cases.

**Sex.** One hundred seven males and fifty-eight females were admitted, as against seventy-four males and thirty-one females in the year 1912.

**Ages.** The ages remain about the same each year; the highest percentage is between the years twenty and thirty.

**Social Status.** Seventy-one were married; seventy-six were single; eighteen were widowed.

**Nativity.** Eighty-one were foreign born; one hundred two were born in the United States, seventy-seven in Massachusetts,







### TUBERCULOSIS HOSPITAL

*Looking east. "Shacks" at extreme left. In centre, addition opened March, 1912; contains patients' dining and lounging rooms, and quarters for nurses and servants. At right, original building.*



and forty-eight in Cambridge. In the year 1912, twenty-three of the cases admitted were born in Cambridge.

**Nationality.** The majority of the patients were of Irish descent.

|                   |                   |              |
|-------------------|-------------------|--------------|
| 37 Irish American | 4 English         | 1 Polish     |
| 23 Irish          | 15 Canadian       | 7 Swedish    |
| 25 American       | 4 Scottish        | 1 Syrian     |
| 8 Jewish          | 6 French Canadian | 1 Indian     |
| 2 Portuguese      | 4 German          | 1 Lithuanian |
| 10 Italian        | 1 Austrian        | 3 Polish     |
| 1 Norwegian       | 1 Dutch           | 2 Turkish    |

**Occupation.**

|                    |                  |                      |
|--------------------|------------------|----------------------|
| 1 Mop maker        | 1 Pedler         | 1 Steam fitter       |
| 32 Housekeepers    | 1 Waist factory  | 1 Candy maker        |
| 7 Teamsters        | 1 Saleswoman     | 1 Straw factory      |
| 3 Stone cutters    | 2 Upholsterers   | 1 Mailer             |
| 3 Laundresses      | 2 Blacksmiths    | 1 Night watchman     |
| 11 Laborers        | 1 Machinist      | 1 Second hand dealer |
| 8 School children  | 2 Boiler makers  | 1 Library Bureau     |
| 12 Rubber workers  | 1 Baker          | 1 Brush factory      |
| 1 Box maker        | 3 Carpenters     | 1 Wood splitter      |
| 1 Waitress         | 1 Switchman      | 1 Draftsman          |
| 1 Wine clerk       | 1 Tinsmith       | 1 Elevator boy       |
| 8 Clerks           | 3 Butchers       | 1 Metal refiner      |
| 4 Piano factory    | 1 Cigar salesman | 1 Stenographer       |
| 2 Chauffeurs       | 1 Tailor         | 1 Rigger             |
| 1 Signal man       | 2 Painters       | 1 Printer            |
| 4 Shoemakers       | 1 Navy           | 1 Ribbon bow maker   |
| 1 Conductor        | 1 Bottle dealer  | 1 Box maker          |
| 1 Transfer worker  | 1 Engineer       | 1 R. R. brakeman     |
| 3 Iron workers     | 1 Student        | 1 Plumber            |
| 1 Tailoress        | 1 Gardener       |                      |
| 1 Chocolate packer | 1 Lunch counter  |                      |

**Source.** Thirty cases gave a history of one or more cases in the immediate family. In several others the contact was remote. The disease seemed to be the most prevalent among stone cutters.

**Distribution of Cases in the City Wards.** The largest number of cases came from Ward III, the smallest number from Ward V.

| Ward  | I | II | III | IV | V | VI | VII | VIII | IX | X | XI |
|-------|---|----|-----|----|---|----|-----|------|----|---|----|
| Cases | 8 | 12 | 27  | 14 | 4 | 10 | 8   | 9    | 6  | 8 | 10 |

AVERAGE, HIGHEST, AND LOWEST NUMBER OF PATIENTS EACH MONTH

|                | Aver. | High | Low |                 | Aver. | High | Low |
|----------------|-------|------|-----|-----------------|-------|------|-----|
| January .....  | 46    | 51   | 40  | July .....      | 49    | 56   | 45  |
| February ..... | 46    | 50   | 44  | August .....    | 64    | 73   | 53  |
| March .....    | 43    | 45   | 42  | September ..... | 63    | 66   | 62  |
| April .....    | 45    | 51   | 43  | October .....   | 63    | 66   | 58  |
| May .....      | 55    | 59   | 51  | November .....  | 54    | 57   | 52  |
| June .....     | 49    | 54   | 45  | December .....  | 58    | 61   | 55  |

## CLINICAL FORMS

|                                      |          |
|--------------------------------------|----------|
| Chronic pulmonary tuberculosis ..... | 89 cases |
| Acute pneumonic phthisis .....       | 60 cases |
| Miliary tuberculosis .....           | 2 cases  |

## COMPLICATIONS

*Hemorrhage.* Forty-one cases had one or more hemorrhages. There was one death from hemorrhage.

*Diarrhoea.* Six cases had tubercular enteritis as a complication.

*Meningitis.* There were four cases of meningitis occurring in the disease.

*Laryngitis.* Six cases had laryngitis as a complication.

*Other Forms.* Other complications were pleurisy, 2; tubercular glands of neck, 1; abscess, pleurisy, and cervical glands of neck, 1; pleuro pneumonia, 1; epithelioma, 1; transferred to Cambridge Hospital; antrum, 1; transferred to Massachusetts Charitable Eye and Ear Infirmary; syphilis, 1; neuritis, 1; articular rheumatism, 1; tubercular peritonitis, 1; suppressive maniacal insanity, 1; tubercular knee, 1; tubercular sacrum, 1.

*Starting Point of Disease.* The left apex was the starting point in 47 cases, the right apex in 45 cases, both apices in 39 cases, the left base in 11 cases, the right base in 6 cases, and both bases in 6 cases.

*Sputa.* On entrance 107 sputa were positive, and 52 negative.

## RESULTS

*Mortality.* Forty-one cases were discharged dead.

*Unimproved.* Fifty-six new cases were discharged unimproved.

*Improved.* Fifty-eight new cases were discharged improved.

*Arrested.* Twenty-four new cases were discharged with the disease arrested.

*Transferred.* Three cases were transferred to Westfield, 3 to Lakeville, 1 to Rutland, 4 to North Reading, 1 to Bridgewater, 1 to Lawrence, 2 to Quincy, 1 to the Massachusetts General Hospital, 2 to Mattapan, 1 was transported, 1 to a private sanatorium, and 1 to Worcester Insane Hospital.

*Resident.* Forty cases remained in the hospital December 31, 1913, as against 39 cases December 31, 1912.

FELIX F. MCGIRR, M. D.

## VIOLATIONS OF REGULATIONS, NUISANCES ABATED, LICENSES GRANTED, ETC.

|  |       |
|--|-------|
| Offensive and defective water-closets .....                      | 372   |
| New water-closets installed .....                                | 152   |
| Leaky and defective traps.....                                   | 145   |
| Untrapped sinks .....  | 82    |
| New sinks installed .....  | 7     |
| Open and defective drains.....                                   | 164   |
| Defective ice chest connections .....                            | 12    |
| Defective lunch cart connections.....                            | 1     |
| Defective barber shop connections.....                           | 8     |
| Offensive cesspools cleaned or removed.....                      | 15    |
| Offensive privy vaults removed .....                             | 12    |
| Wet and damp cellars remedied .....                              | 54    |
| Stagnant water on premises removed.....                          | 27    |
| Filthy yards cleaned .....                                       | 540   |
| Filthy buildings cleaned .....                                   | 22    |
| Filthy cellars cleaned .....                                     | 381   |
| Filthy stores cleaned .....                                      | 7     |
| Filthy hen coops cleaned .....                                   | 15    |
| Filthy stables cleaned .....                                     | 15    |
| Uncovered manure pits .....                                      | 15    |
| New manure pits built .....                                      | 5     |
| Manure in yards and lots removed.....                            | 9     |
| Defective stable connections .....                               | 23    |
| Vacant lots cleaned .....  | 19    |
| Filthy garbage receptacles .....                                 | 180   |
| New garbage receptacles provided .....                           | 133   |
| New garbage receptacle covers provided.....                      | 64    |
| Dead animals removed .....                                       | 13    |
| Fowl removed from cellars (number of cellars).....               | 9     |
| Bakeries cleaned and whitened .....                              | 15    |
| Stables occupied without license .....                           | 19    |
| Keeping fowl without license.....                                | 50    |
| Keeping pigeons without license.....                             | 12    |
| Unsanitary dwellings vacated .....                               | 8     |
| Unsanitary stables vacated .....                                 | 2     |
| Plumbing (peppermint) tests made.....                            | 18    |
| Legal orders served .....  | 238   |
| Hearing notices posted .....                                     | 358   |
| Hearings advertised in public press.....                         | 73    |
| Houses disinfected .....   | 574   |
| School rooms disinfected .....                                   | 8     |
| Public sanitariums—inspections and cleanings.....                | 1,052 |
| Public sanitariums—repaired .....                                | 13    |
| Inspections by sanitary inspectors.....                          | 7,424 |
| Subsequent inspections by sanitary inspectors.....               | 6,363 |
| Complaints received by sanitary inspectors through office.....   | 468   |
| Complaints received by sanitary inspectors outside office.....   | 566   |
| Complaints received and investigated—No cause for complaint..... | 118   |
| Complaints received and investigated—Nuisances abated .....      | 916   |
| Contagious cases investigated and histories obtained:            |       |
| Diphtheria .....   | 219   |
| Scarlet fever .....  | 129   |



|  |       |
|--|-------|
| Typhoid fever .....                                    | 105   |
| Measles .....  | 1,085 |
| Chicken-pox .....                                      | 228   |
| Whooping-cough .....                                   | 196   |
| Acute anterior poliomyelitis .....                     | 7     |
| Epidemic cerebro-spinal meningitis .....               | 4     |
| Tetanus .....  | 2     |
| Trachoma .....   | 2     |
| Houses placarded for diphtheria and scarlet fever..... | 219   |

**Hearings Given:**

|  |     |
|--|-----|
| On applications for permits to keep horses.....  | 73  |
| On applications for permits to keep fowl.....    | 190 |
| On applications for permits to keep pigeons..... | 20  |

**Permits granted:**

|                                      |     |
|--------------------------------------|-----|
| Stables—cows (applications 21) ..... | 21  |
| Stables—horses .....                 | 54  |
| Hens .....                           | 144 |
| Pigeons .....                        | 16  |
| Ducks .....                          | 2   |
| Turkeys .....                        | 1   |
| To kill and sell fowl .....          | 2   |

**Licenses granted:**

|                            |    |
|----------------------------|----|
| Undertakers .....          | 44 |
| Manicure and massage ..... | 21 |
| Rummage sales .....        | 54 |
| Carting grease .....       | 18 |
| Carting manure .....       | 17 |
| Carting garbage .....      | 2  |
| To fill premises .....     | 6  |

**Premises approved as suitable:**

|                                      |    |
|--------------------------------------|----|
| To smoke sausage meat .....          | 2  |
| To board infants .....               | 34 |
| To maintain lying-in hospitals ..... | 3  |
| To slaughter cattle .....            | 3  |

**Burial and removal permits issued:**

|  |       |
|--|-------|
| Died in Cambridge .....                          | 1,570 |
| Died outside of Cambridge.....                   | 22    |
| Disinterment (from one cemetery to another)..... | 12    |

**Patients removed to hospitals:**

|  |    |
|--|----|
| Diphtheria Hospital, Reservoir Street.....             | 81 |
| West Dept., Mass. Homoeopathic Hospital, Brighton..... | 57 |
| Tuberculosis Hospital, Concord Avenue.....             | 37 |
| Cambridge Hospital, Mt. Auburn Street.....             | 20 |
| State Infirmary, Tewksbury .....                       | 4  |
| Somerville Hospital, Somerville .....                  | 1  |
| House of Good Samaritan, Roxbury.....                  | 1  |

JOHN D. CROWLEY,

*Clerk.*

## REPORT OF INSPECTOR OF ANIMALS

Cambridge, March 31, 1914.

HON. J. EDWARD BARRY, Mayor, Cambridge, Mass.

Dear Sir:—Below is a report of eight months' work as Inspector of Animals and City Veterinarian:

|                         |     |        |
|-------------------------|-----|--------|
| Fire Department .....   | 119 | visits |
| Street Department ..... | 134 | "      |
| Water Department .....  | 12  | "      |
| Health Department ..... | 4   | "      |
| Police Department ..... | 11  | "      |
| City Home .....         | 8   | "      |

Examined 69 cows and found them healthy. Inspected stables and found them in good condition.

Examined 154 horses for "Glanders" and destroyed 36.

Examined 36 stables in which infected animals (glanders) were kept, and had them disinfected.

Examined and quarantined 3 suspected cases of "Rabies" in dogs. They proved negative.

With Joseph Johnson, "Inspector of Provisions," inspected the slaughtering of 3,590 calves and 71 sheep; condemned 225 calves as unfit for food.

D. L. BOLGER, D. N. S.,

*"Inspector of Animals."*

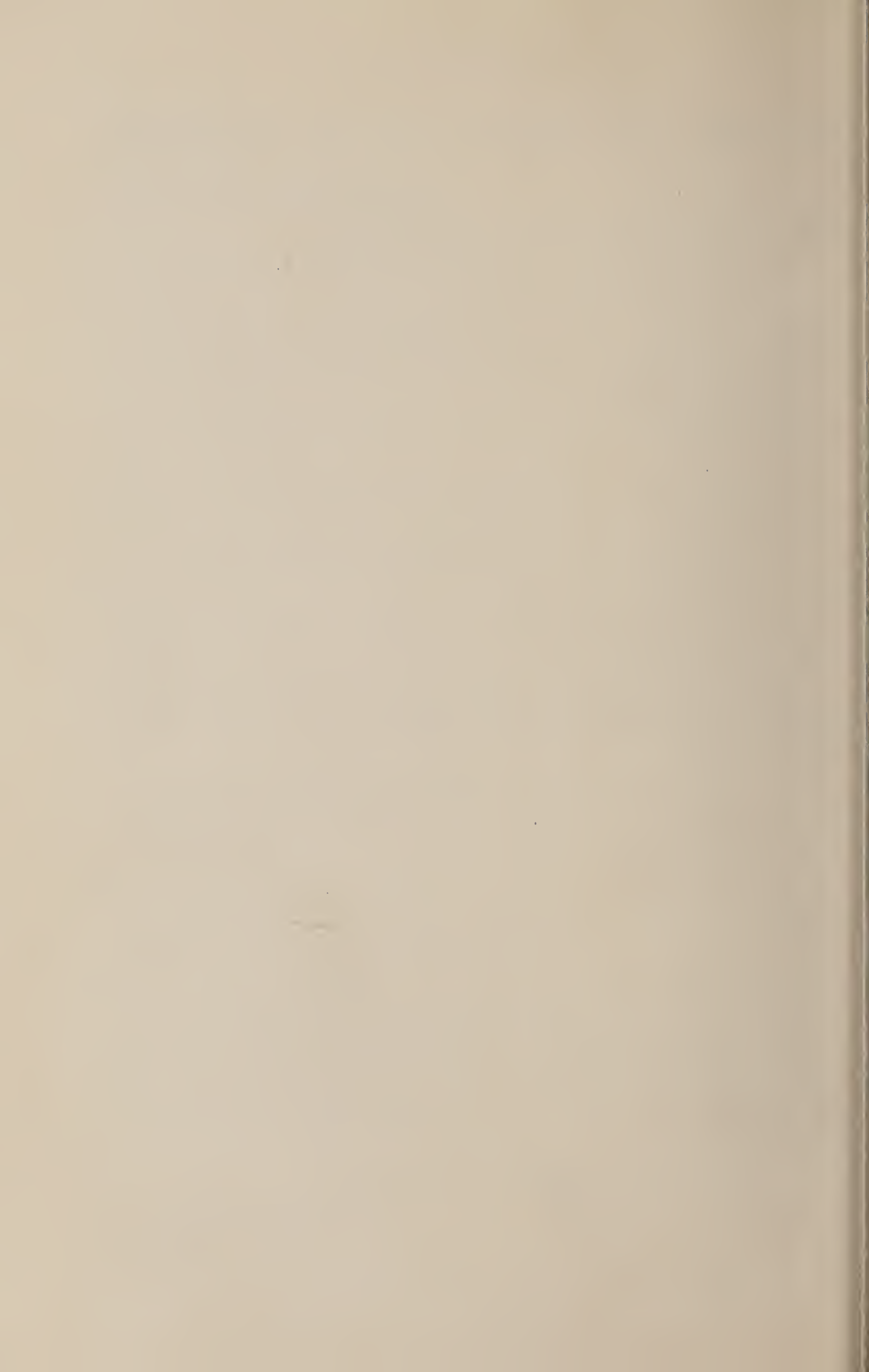
OFFICE OF THE MAYOR,  
Cambridge, Mass., April 4th, 1914.

*To the Honorable, the City Council of the City of Cambridge:—*

I transmit herewith a communication from D. L. Bolger, D. V. S., Inspector of Animals, dated March 31st, 1914, same being his report for eight months' work as Inspector of Animals and City Veterinarian.

Respectfully,

J. EDWARD BARRY,  
*Mayor.*





# REPORT OF THE OVERSEERS OF THE POOR

---

CENTRAL SQUARE BUILDING,  
Cambridge, May 1, 1914.

*To His Honor the Mayor and the City Council of the City of Cambridge:*

Gentlemen:—The annual report of the Board of Overseers of the Poor for the year ending March 31, 1914, is presented herewith.

The annual meeting of the Board was held May 5, 1913, and Rev. John R. McCool was again re-elected chairman of the Board.

The City Council in joint convention re-elected James F. Mullen for a term of five years from May 1, 1913.

The cost of maintaining the department for the year is as follows:

|                         | Expenditures. | Receipts.  | Net cost.         |
|-------------------------|---------------|------------|-------------------|
| Outside aid .....       | \$44,436 08   | \$3,977 02 | \$40,459 06       |
| City Home .....         | 26,215 49     | 547 97     | 25,667 52         |
| City Home Hospital..... | 1,636 23      | 322 07     | 1,314 16          |
| Farm .....              | 5,145 45      | 4,382 80   | 762 65            |
|                         |               |            | <hr/> \$68,203 39 |

The tables which follow show the expenses in detail.

This year we should like to call your attention to the lack of accommodations at the City Home. Built in 1849, when the population of Cambridge was 15,000, it has been serving its purpose fairly well up to the present time with a population of 110,000. The increase in population has brought with it a natural increase in the number of those applying for admission to the city Home. Up to now, they have been accommodated by redisposing the floors and lessening the space allotted to each bed until we have practically reached our limit in making room, and feel that it is necessary for some changes to be made to relieve the present congestion.

It is the opinion of the overseers that the present building has outlived its usefulness and should be replaced by a more modern structure, consisting of a central, or administration building, with various

one-storied wings, in order that those who are so feeble as to be practically helpless might be near the ground in case of fire, and also that they might have easy access to a veranda where they could be wheeled during the pleasant weather. This plan would also serve to make the work of the attendants much easier.

If the idea of an entirely new building does not seem feasible at the present time, then the old building should be entirely remodeled and made to correspond with the requirements of institutions where one hundred or more practically helpless persons are housed.

The water supply of the City Home comes from a dead-end pipe, and if a fire should break out at the home simultaneously with such a conflagration as occurred at the foot of Tannery Street about two years ago, it would be impossible to get any water pressure at the home. Even now, if a fire should break out at the home, it would be practically impossible to get many of the inmates on the second and third floors out of danger because of the narrowness of the stairways and because of the dazzling steepness of the fire escapes. It is very probable that none of the inmates could be forced, even, to use these fire escapes. To provide against these conditions, the overseers respectfully suggest that an elevator, large enough to accommodate ten or a dozen people at a time, be installed at the home. This elevator could be used also for the removal of the sick to and from the ambulance, thus doing away with the crude method of men carrying a sick person up or down flights of stairs.

The sanitary accommodations in the home are very antiquated, both as to style and location. In number there is one for about every 25 inmates.

The "recreation room" in the outbuilding has, like the big house, failed to accommodate, on account of the constantly increasing number of men who wish to smoke or otherwise pass the time during the inclement weather. There is no ventilation, and many are forced to stand for want of room.

It is the opinion of the overseers that quite a sum of money might be saved the city if a sufficient appropriation were granted to increase the "Cottage Hospital" to twice its present size. Even though a municipal hospital is near, some of the chronic cases—i. e., those which need scarcely anything more than care—might well be taken care of at this little hospital. At present we are paying about \$3,600.00 yearly for hospital care of Cambridge patients.

The Mothers' Aid Law, which went into effect last September, is

as yet in its infancy, but even with such short experience we can see that if the law is to be observed, the aid given and the expense of looking after the disposition of the aid, are items which are bound to be a great drain on the city treasury. It is only with the co-operation of relatives and private charities that this law will be properly administered and justice done both to the woman with dependent children and the tax payers of the city. The overseers are doing their best to carry out the spirit of the law and are trying to be just, both to the beneficiaries and the providers of the funds.

One of the great reasons why many women with dependent children apply for aid is the fact of their being deserted by their husbands. During the past year we cared for about 60 of such cases at a cost of approximately \$2,800.00. It seems that if an officer were detailed to attend to these cases and the delinquent husbands forced to return to their needy families this action might have a deterrent effect on others.

The work of providing for the needy poor of this city has increased to such an extent that our office force has to work overtime every day to try and keep up with the volume of business which comes under their direction. We are perfectly satisfied with the manner in which the work is handled, and the painstaking efforts to serve all who apply for aid are appreciated by the entire Board. At the City Home everything is kept in a clean and neat manner. Great credit is due the Superintendent and Matron for the economical manner in which they provide for the comfort of the inmates.

Respectfully submitted,

JOHN R. McCOOL, *Chairman*,  
JAMES F. MULLEN,  
PATRICK J. CALLAGHAN,  
GEORGE P. O'BRIEN,  
FRANK McLAUGHLIN,

*Overseers of the Poor.*



# REPORT OF THE CITY PHYSICIAN

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*To the Honorable, the City Council of Cambridge:*

Gentlemen:—The report of the City Physician for the twelve months ending March 31, 1914, is hereby rendered.

## CITY HOME

|  |          |
|--|----------|
| Number of visits to the City Home.....         | 351      |
| Number of persons attended there.....          | 653      |
| Number of deaths at the City Home .....        | 17       |
| Cost of medicines and surgical appliances..... | \$524 97 |

## OUTSIDE AID

|  |          |
|--|----------|
| Number of persons attended for the Overseers of the Poor.....  | 993      |
| Number of visits to the same .....                             | 1,867    |
| Number of persons sent to Outside Hospitals for treatment..... | 79       |
| Number of outside deaths .....                                 | 12       |
| Number of outside births .....                                 | 26       |
| Cost of medicines and surgical appliances.....                 | \$583 33 |

## DEPARTMENTAL

|  |       |
|--|-------|
| Number of persons attended at Police Stations.....       | 85    |
| Number of visits to the same.....                        | 87    |
| Number of persons examined for the Law Department.....   | 10    |
| Number of visits to the same .....                       | 11    |
| Number of employees examined for injuries.....           | 41    |
| Police Department .....                                  | 6     |
| Street Department .....                                  | 24    |
| Park Department .....                                    | 2     |
| Sewer Department .....                                   | 4     |
| Offal Department .....                                   | 4     |
| Water Department .....                                   | 1     |
| Fire Department .....                                    | 0     |
| Number of visits to the same .....                       | 96    |
| Number of vaccinations for the School Committee.....     | 571   |
| Number of visits to the same .....                       | 571   |
| Number of call firemen examined .....                    | 1     |
| Number of visits to the same .....                       | 1     |
| Number of firemen examined .....                         | 3     |
| Number of visits to the same .....                       | 3     |
| Number of policemen examined for retirement .....        | 1     |
| Number of visits to the same .....                       | 1     |
| Number of firemen examined for retirement.....           | 1     |
| Number of visits to the same .....                       | 1     |
| Total number of persons receiving professional care..... | 2,343 |
| Total number of professional visits to the same .....    | 3,008 |

CITY HOME HOSPITAL REPORT FOR THE YEAR ENDING  
MARCH 31, 1914

There were sixty-nine patients during the year April 1, 1913, to March 31, 1914. There were three births and twenty-five deaths at the hospital.

|  |          |
|--|----------|
| Total revenue from all sources.....          | \$322 07 |
| Running expenses, nurses' salaries, etc..... | 1,636 23 |
| Net running expenses .....                   | 1,314 16 |

I wish to thank all the officials connected with the department for their kind and courteous treatment and material help.

Respectfully submitted,

WM. G. BROUSSEAU, M. D.,  
*City Physician.*

# REPORT OF THE SUPERINTENDENT OF THE CAMBRIDGE CITY HOME

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Cambridge, April 24, 1914.

*To the Overseers of the Poor:*

Gentlemen:—The annual report of the Cambridge City Home for the twelve months ending March 31, 1914, is hereby respectfully submitted.

The whole number in the home during the twelve months has been as follows:

|   |     |
|---|-----|
| Males .....                                   | 207 |
| Females .....                                 | 134 |
| Total .....                                   | 341 |
| Adults .....                                  | 314 |
| Minors .....                                  | 27  |
| Whole number in the Home, March 31, 1914..... | 199 |
| Average number during the twelve months.....  | 186 |

Included in the whole number in the home March 31, 1914, there are:

## IMBECILE

|             |   |
|-------------|---|
| Males ..... | 1 |
| Total ..... | 1 |

## BLIND

|               |   |
|---------------|---|
| Females ..... | 2 |
| Total .....   | 2 |

## EPILEPTICS

|               |   |
|---------------|---|
| Females ..... | 6 |
| Total .....   | 6 |



Included in the whole number discharged during the twelve months are 10 persons sent to other institutions, as follows :

|                                 |   |
|---------------------------------|---|
| Cambridge Relief Hospital ..... | 2 |
| Worcester Insane Hospital ..... | 2 |
| State Infirmary .....           | 2 |
| State Minor Wards .....         | 2 |
| Day Camp .....                  | 2 |

Remaining in the home March 31, 1914:

|               |     |
|---------------|-----|
| Males .....   | 120 |
| Females ..... | 77  |
| Adults .....  | 191 |
| Minors .....  | 6   |

All statistics of general interest will be exhibited by the following tables :

TABLE I

Showing the Number and Sex of Adult Persons and Minors of all Classes Received into the Cambridge City Home in each Month of the Twelve Months ending March 31, 1914

| MONTH          | Adults |    | Minors |   | Total | Dependent Children |   | Neglected Children |   |
|----------------|--------|----|--------|---|-------|--------------------|---|--------------------|---|
| 1913           | M      | F  | M      | F |       | M                  | F | M                  | F |
| April.....     | 9      | 3  | 0      | 1 | 13    | 0                  | 0 | 0                  | 1 |
| May.....       | 9      | 2  | 1      | 0 | 12    | 1                  | 0 | 0                  | 0 |
| June.....      | 6      | 6  | 2      | 1 | 15    | 2                  | 1 | 0                  | 0 |
| July.....      | 6      | 5  | 1      | 0 | 12    | 1                  | 0 | 0                  | 0 |
| August.....    | 9      | 7  | 2      | 0 | 18    | 2                  | 0 | 0                  | 0 |
| September..... | 6      | 5  | 3      | 1 | 15    | 3                  | 1 | 0                  | 0 |
| October.....   | 5      | 2  | 1      | 1 | 9     | 1                  | 1 | 0                  | 0 |
| November.....  | 7      | 6  | 2      | 0 | 15    | 2                  | 0 | 0                  | 0 |
| December.....  | 14     | 3  | 1      | 0 | 18    | 1                  | 0 | 0                  | 0 |
| 1914           |        |    |        |   |       |                    |   |                    |   |
| January.....   | 10     | 6  | 1      | 0 | 17    | 1                  | 0 | 0                  | 0 |
| February.....  | 5      | 3  | 0      | 2 | 10    | 0                  | 2 | 0                  | 0 |
| March.....     | 6      | 4  | 1      | 2 | 13    | 1                  | 2 | 0                  | 0 |
|                | 92     | 52 | 15     | 8 | 167   | 15                 | 7 | 0                  | 1 |

TABLE II

Showing the Number and Sex of Adult Persons and Minors of all Classes Discharged from the Cambridge City Home in each Month of the Twelve Months ending March 31, 1914

| MONTH          | Adults |    | Minors |   | Total | Dependent Children |   | Neglected Children |   |
|----------------|--------|----|--------|---|-------|--------------------|---|--------------------|---|
| 1913           | M      | F  | M      | F |       | M                  | F | M                  | F |
| April.....     | 21     | 3  | 0      | 1 | 25    | 0                  | 0 | 0                  | 1 |
| May.....       | 6      | 5  | 2      | 0 | 13    | 2                  | 0 | 0                  | 0 |
| June.....      | 6      | 2  | 1      | 1 | 10    | 1                  | 1 | 0                  | 0 |
| July.....      | 13     | 1  | 1      | 0 | 15    | 1                  | 0 | 0                  | 0 |
| August.....    | 3      | 4  | 2      | 0 | 9     | 2                  | 0 | 0                  | 0 |
| September..... | 3      | 7  | 2      | 1 | 13    | 2                  | 1 | 0                  | 0 |
| October.....   | 4      | 2  | 1      | 0 | 7     | 1                  | 0 | 0                  | 0 |
| November.....  | 1      | 1  | 2      | 1 | 5     | 2                  | 1 | 0                  | 0 |
| December.....  | 10     | 2  | 1      | 0 | 13    | 1                  | 0 | 0                  | 0 |
| 1914           |        |    |        |   |       |                    |   |                    |   |
| January.....   | 3      | 5  | 2      | 0 | 10    | 2                  | 0 | 0                  | 0 |
| February.....  | 1      | 3  | 0      | 0 | 4     | 0                  | 0 | 0                  | 0 |
| March.....     | 12     | 8  | 1      | 1 | 22    | 1                  | 1 | 0                  | 0 |
|                | 83     | 43 | 15     | 5 | 146   | 15                 | 4 | 0                  | 1 |

**COMPARATIVE TABLE OF CITY HOME, FARM, LEDGE AND HOUSE OFFAL  
RECEIPTS FOR THIRTY-ONE YEARS, FOUR MONTHS, ENDING  
MARCH 31, 1914**

| Years                      | Board       | Chair<br>Shop | Farm         | General<br>Sales | Stone       | House<br>Offal | Totals       |
|----------------------------|-------------|---------------|--------------|------------------|-------------|----------------|--------------|
| 1881 ....                  | \$822.56    | .....         | \$378.50     | .....            | \$2,529.01  | \$5,536.88     | \$8,766.95   |
| 1882 ....                  | 705.34      | .....         | 436.54       | .....            | 2,626.17    | 5,705.22       | 9,473.27     |
| 1883 ....                  | 1,174.96    | .....         | 476.22       | \$14.19          | 2,622.00    | 5,819.55       | 10,106.92    |
| 1884 ....                  | 1,480.93    | .....         | 316.76       | .....            | 4,238.77    | 6,449.96       | 12,486.42    |
| 1885 ....                  | 2,035.58    | .....         | 335.32       | 149.85           | 4,509.84    | 7,354.26       | 14,384.95    |
| 1886 ....                  | 613.93      | \$37.50       | 772.14       | 319.75           | 5,611.38    | 6,926.23       | 14,280.93    |
| 1887 ....                  | 514.64      | 634.19        | 1,595.10     | 241.37           | 4,684.14    | 6,856.59       | 14,526.03    |
| 1888 ....                  | 557.28      | 614.94        | 2,846.52     | 213.62           | 6,662.26    | 6,721.50       | 17,617.86    |
| 1889 ....                  | 274.84      | 479.28        | 3,681.59     | 114.36           | 5,564.18    | 7,324.61       | 17,471.06    |
| 1890 ....                  | 302.49      | 794.36        | 4,364.03     | 150.89           | 5,651.38    | 7,386.33       | 18,649.48    |
| 1891 ....                  | 1,201.33    | 844.62        | 5,213.68     | 161.71           | 6,107.86    | 7,716.77       | 21,245.97    |
| 1892 ....                  | 1,253.06    | 899.81        | 5,371.68     | 166.45           | 5,220.50    | 7,535.57       | 20,447.55    |
| 1893 ....                  | 703.70      | 325.86        | 6,400.64     | 210.09           | 5,826.74    | 7,033.52       | 20,500.05    |
| 1894 ....                  | 1,094.89    | 220.07        | 6,504.66     | 615.69           | 7,955.42    | 8,218.96       | 21,609.69    |
| 1895 ....                  | 622.77      | 77.00         | 6,512.63     | 160.19           | 8,265.14    | 9,045.55       | 24,682.78    |
| 1896 ....                  | 834.52      | 61.25         | 5,623.67     | 147.02           | 7,639.48    | 9,155.35       | 23,461.24    |
| 1897 ....                  | 1,294.65    | 3.69          | 5,348.47     | 137.33           | 10,335.16   | 7,228.79       | 24,348.06    |
| 1898 ....                  | 1,038.19    | .....         | 5,730.13     | 277.40           | 2,172.60    | 7,264.09       | 16,482.41    |
| 1899 ....                  | 703.17      | .....         | 6,049.47     | 142.54           | .....       | 6,997.40       | 13,892.58    |
| 1900 ....                  | 611.57      | .....         | 5,082.43     | 137.40           | .....       | 7,322.05       | 13,153.45    |
| 1901 ....                  | 793.32      | .....         | 5,173.83     | 83.60            | .....       | 8,016.71       | 14,067.46    |
| 1902 ....                  | 826.69      | .....         | 5,098.37     | 78.15            | .....       | 9,722.83       | 15,726.04    |
| 1903 ....                  | 659.21      | .....         | 3,922.64     | 526.43           | .....       | 10,359.99      | 15,468.27    |
| 1904 ....                  | 969.54      | .....         | 4,286.47     | 69.47            | .....       | 11,729.75      | 17,055.23    |
| 1905 ....                  | 902.30      | .....         | 4,964.10     | 66.39            | .....       | 11,326.61      | 17,258.40    |
| 1906 ....                  | 807.96      | .....         | 5,209.65     | 62.83            | .....       | 10,565.96      | 16,646.40    |
| 1907 ....                  | 766.20      | .....         | 5,486.29     | 67.68            | .....       | 10,564.07      | 16,884.24    |
| 1908 ....                  |             |               |              |                  |             |                |              |
| 16 mos. to<br>Mar. 31, '09 | 842.97      | .....         | 5,038.55     | 85.21            | .....       | 16,174.80      | 22,141.53    |
| 1910 ....                  | 704.05      | .....         | 4,313.19     | 72.47            | .....       | 13,477.42      | 18,567.13    |
| 1911 ....                  | 793.91      | .....         | 3,984.89     | 80.11            | .....       | 15,758.46      | 20,617.37    |
| 1912 ....                  | 515.43      | .....         | 4,286.59     | 96.98            | .....       | 15,809.48      | 20,708.48    |
| 1913 ....                  | 446.19      | .....         | 4,587.16     | 75.03            | .....       | 11,861.16      | 16,969.54    |
| 1914 ....                  | 463.12      | .....         | 4,382.80     | 61.35            | .....       | 12,713.14      | 17,620.41    |
| Totals .                   | \$26,831.29 | \$4,992.48    | \$133,777.63 | \$4,814.05       | \$98,222.03 | \$301,679.56   | \$570,317.04 |

City Home Hospital receipts ..... \$ 202 07

City Home Hospital receipts since July 1, 1905 ..... 3,394 49



PRODUCTS OF THE FARM AND THEIR APPROXIMATE VALUES

|   |            |
|---|------------|
| 108 bushels beans .....                                   | \$157 25   |
| 858 dozen bunches beets .....                             | 250 65     |
| 152 bushels beets .....                                   | 114 00     |
| 120 bushels beet greens .....                             | 20 15      |
| 10,565 cabbages .....                                     | 637 15     |
| 623 dozen celery .....                                    | 528 15     |
| 10,050 cucumbers .....                                    | 214 75     |
| 1,197 dozen lettuce .....                                 | 191 45     |
| 124 dozen bunches onions .....                            | 21 30      |
| 342 bushels onions .....                                  | 319 95     |
| 520 dozen bunches radishes .....                          | 118 85     |
| 74 bushels rhubarb .....                                  | 39 35      |
| 521 bushels spinach .....                                 | 158 45     |
| 605 bushels tomatoes .....                                | 260 20     |
| 189 bushels parsnips .....                                | 142 30     |
| 441 dozen bunches carrots .....                           | 274 25     |
| 317 bushels carrots .....                                 | 168 80     |
| 10,461 lbs. pork .....                                    | 770 40     |
| <hr/>   |            |
| Cash receipts .....                                       | \$4,382 80 |
| Eggs supplied the Home, one year to April 1, 1914.....    | 275 00     |
| Vegetables supplied the Home, to April 1, 1914.....       | 675 00     |
| Pork supplied to the Home, one year to April 1, 1914..... | 348 49     |
| <hr/>   |            |
|   | \$5,681 29 |
| Less expenses one year ending March 31, 1914.....         | 5,145 45   |
| <hr/>   |            |
| Net gain .....  | \$535 84   |

The ages of the inmates are as follows:

Ten between 80 and 90, forty between 70 and 80, sixty-four between 60 and 70, forty-five between 50 and 60, twenty-two between 40 and 50, ten between 30 and 40, one between 20 and 30, and seven children.

Of those who died during the twelve months, one was between 90 and 100, three between 80 and 90, eleven between 70 and 80, eleven between 60 and 70, six between 40 and 50, one between 30 and 40 years.

The average age of those who died was 65 years.

In closing, I wish to thank your honorable Board for your kind treatment, and also the employees in my department for their courteous manner and efficiency.

Respectfully yours,

CHARLES E. GOODROW,  
*Superintendent.*

OUTSIDE AID DEPARTMENT, APRIL 1, 1913, to APRIL 1, 1914

| Months     | Salaries   | Postage, Printing,<br>Stationery, Books | Gas, Electric Light,<br>Telephone | Physicians,<br>Medicines,<br>Surgical Supplies | Undertaker,<br>Cemetery | Hospitals  | Other Cities and<br>Towns | State Infirmary,<br>Mass. Hosp. School,<br>Minor Wards | Cash Roll,<br>Boarded Cases | Groceries, Fuel | Transportation | Mothers' Aid, Cash | Repairs | Miscellaneous | Totals      |
|------------|------------|---|-----------------------------------|--|-------------------------|------------|---------------------------|--|-----------------------------|-----------------|----------------|--------------------|---------|---------------|-------------|
| 1913       |            |   |                                   |  |                         |            |                           |  |                             |                 |                |                    |         |               |             |
| April..... | \$496 25   | \$32 21                                 | \$12 47                           | \$67 45  | \$44 00                 | \$627 57   | \$1,275 44                | \$109 58   | \$870 93                    | \$1,509 63      | \$61 25        | .....              | .....   | \$2 57        | \$5,109 35  |
| May.....   | 522 91     | 29 14                                   | 11 92                             | 21 02  | 116 00                  | 48 57      | 191 46                    | 134 71   | 784 04                      | 374 02          | 56 55          | .....              | 3 09    | 38 27         | 2,331 70    |
| June.....  | 451 66     | 19 11                                   | 12 26                             | 29 51  | 73 00                   | 907 52     | 74 73                     | 469 71   | 951 74                      | 356 83          | 26 39          | .....              | .....   | 10 03         | 3,382 49    |
| July.....  | 485 66     | 16 50                                   | 11 37                             | 28 75  | 88 00                   | 168 57     | 526 28                    | 167 08   | 833 35                      | 343 75          | 515 55         | .....              | .....   | 59 59         | 3,245 45    |
| Aug.....   | 582 91     | 36 74                                   | 11 17                             | 24 23  | 24 00                   | 51 57      | 669 93                    | 55 43  | 1,084 58                    | 378 65          | 69 28          | .....              | .....   | 9 27          | 2,997 76    |
| Sept.....  | 499 66     | 22 74                                   | 11 74                             | 27 37  | 8 00                    | 707 41     | 174 29                    | 37 86  | 853 97                      | 350 95          | 4 90           | 246 50             | .....   | 11 26         | 3,206 65    |
| Oct.....   | 544 66     | 4 41                                    | 12 33                             | 55 38  | 78 00                   | 50 43      | 68 75                     | 467 92   | 808 35                      | 969 45          | 69 53          | 277 00             | 7 70    | 55 39         | 3,469 30    |
| Nov.....   | 659 16     | 7 84                                    | 11 90                             | 26 59  | 134 00                  | 176 15     | 21 14                     | 17 43  | 816 07                      | 694 36          | 27 60          | 1,051 00           | 16 13   | 41 28         | 3,700 65    |
| Dec.....   | 559 66     | .....                                   | 13 95                             | 64 48  | 106 00                  | 457 15     | 21 00                     | 8 57   | 663 18                      | 812 94          | 56 00          | 1,120 00           | .....   | 33 63         | 3,916 56    |
| 1914       |            |   |                                   |  |                         |            |                           |  |                             |                 |                |                    |         |               |             |
| Jan.....   | 662 91     | 59 19                                   | 17 62                             | 100 69   | 47 50                   | 352 30     | .....                     | 580 00   | 935 56                      | 1,021 29        | 29 46          | 1,489 00           | 37 15   | 5 84          | 5,338 51    |
| Feb.....   | 572 59     | 8 82                                    | 13 33                             | 62 86  | 8 00                    | 88 00      | 963 47                    | 37 36  | 952 98                      | 1,459 74        | 24 54          | 1,326 00           | 10 27   | 73 73         | 5,528 69    |
| March..... | 593 83     | .....                                   | .....                             | .....  | .....                   | .....      | .....                     | .....  | 553 14                      | .....           | .....          | 1,062 00           | .....   | .....         | 2,208 97    |
| Total..... | \$6,631 86 | \$236 70                                | \$140 06                          | \$758 33                                       | \$726 50                | \$3,635 24 | \$3,986 49                | \$2,085 65   | \$10,107 89                 | \$8,271 61      | \$1,001 05     | \$6,571 50         | \$74 34 | \$208 86      | \$44,436 08 |

OVERSEERS OF THE POOR

CITY HOME DEPARTMENT, APRIL 1, 1913, to APRIL 1, 1914

| Month      | Salaries and Wages | Medicines, Surgical Supplies | Ice, Groceries, Provisions | Dry Goods, Boots and Shoes | Fuel       | Gas, Electric Motor | House Supplies | Repairs    | Hospitals | Postage, Printing, Stationery, Books | Telephone, Transportation | Undertaker, Cemetery | Miscellaneous | Total       |
|------------|--------------------|------------------------------|----------------------------|----------------------------|------------|---------------------|----------------|------------|-----------|--------------------------------------|---------------------------|----------------------|---------------|-------------|
| 1913       |                    |                              |                            |                            |            |                     |                |            |           |                                      |                           |                      |               |             |
| April..... | \$573 09           | \$60 61                      | \$1,341 67                 | \$580 13                   | \$143 14   | \$56 52             | \$64 06        | \$111 53   | .....     | \$3 92                               | \$152 39                  | .....                | \$59 75       | \$3,146 81  |
| May.....   | 725 92             | 62 02                        | 670 99                     | 286 36                     | .....      | 29 53               | 12 25          | 80 85      | .....     | 7 35                                 | 26 65                     | \$24 00              | 24 43         | 1,950 35    |
| June.....  | 574 19             | 49 89                        | 1,200 81                   | 9 31                       | .....      | 14 92               | 15 43          | 112 76     | .....     | .....                                | 97 98                     | 30 00                | 60 42         | 2,165 71    |
| July.....  | 586 32             | 113 49                       | 802 12                     | 159 18                     | .....      | 12 44               | 18 62          | 216 93     | .....     | 24 70                                | 60 71                     | .....                | 71 55         | 2,066 06    |
| Aug.....   | 744 92             | 55 66                        | 825 01                     | 59 27                      | 133 10     | 13 40               | 32 78          | 120 47     | 59 10     | .....                                | 22 20                     | .....                | 21 75         | 2,091 58    |
| Sept.....  | 590 19             | 46 14                        | 878 79                     | 171 11                     | .....      | 17 24               | 41 57          | 293 78     | .....     | 3 92                                 | 68 75                     | 18 00                | 12 25         | 2,139 29    |
| Oct.....   | 590 32             | 30 94                        | 898 74                     | 108 17                     | 129 60     | 20 69               | 22 03          | 245 23     | .....     | 8 00                                 | 70 10                     | 22 00                | 49 00         | 2,194 82    |
| Nov.....   | 737 79             | 51 94                        | 1,472 62                   | 138 63                     | 651 35     | 31 00               | 20 98          | 64 57      | .....     | 3 43                                 | 54 14                     | .....                | 46 00         | 3,272 45    |
| Dec.....   | 600 57             | 1 96                         | 791 85                     | 213 05                     | .....      | 33 08               | 81 63          | 13 84      | 10 71     | .....                                | 9 04                      | 22 00                | 31 58         | 1,809 31    |
| 1914       |                    |                              |                            |                            |            |                     |                |            |           |                                      |                           |                      |               |             |
| Jan.....   | 753 92             | 47 28                        | 912 83                     | 205 74                     | 82 76      | 28 28               | 46 30          | 250 15     | .....     | 8 00                                 | 26 37                     | 22 00                | 89 76         | 2,473 39    |
| Feb.....   | 605 90             | 49 14                        | 1,045 79                   | 177 76                     | 77 76      | 47 08               | 42 70          | 11 42      | 7 86      | 17 13                                | 38 67                     | 10 00                | 39 47         | 2,170 68    |
| March..... | 442 80             | .....                        | 178 15                     | .....                      | .....      | .....               | 60 86          | 41 23      | .....     | .....                                | .....                     | 12 00                | .....         | 735 04      |
| Total..... | \$7,525 93         | \$569 07                     | \$11,019 37                | \$2,108 71                 | \$1,217 71 | \$304 18            | \$459 21       | \$1,562 76 | \$77 67   | \$77 92                              | \$627 09                  | \$160 00             | \$535 96      | \$26,215 49 |



CITY HOME HOSPITAL DEPARTMENT, APRIL 1, 1913, to APRIL 1, 1914

| Months    | Wages      | Medicines, Surgical Appliances, | Crackers | Electric Light | Furniture, Etc. | Fuel     | Total      |
|-----------|------------|---------------------------------|----------|----------------|-----------------|----------|------------|
| 1913      |            |                                 |          |                |                 |          |            |
| April     | \$79 20    | \$9 16                          | \$1 88   | \$7 50         | .....           | \$37 32  | \$135 06   |
| May       | 99 00      | 25 54                           | .....    | 6 50           | \$16 03         | .....    | 147 07     |
| June      | 79 20      | 33 15                           | 4 27     | 5 30           | 34 54           | .....    | 156 46     |
| July      | 79 20      | 17 39                           | 4 89     | 4 80           | .....           | .....    | 106 28     |
| August    | 99 00      | 16 41                           | .....    | 4 20           | .....           | .....    | 119 61     |
| September | 83 20      | 24 40                           | 3 00     | 5 70           | 9 31            | .....    | 125 61     |
| October   | 83 20      | 24 31                           | 4 59     | 7 00           | .....           | 38 88    | 157 98     |
| November  | 104 00     | 62 71                           | .....    | 9 20           | .....           | .....    | 175 91     |
| December  | 83 20      | .....                           | 2 62     | 9 30           | .....           | .....    | 95 12      |
| 1914      |            |                                 |          |                |                 |          |            |
| January   | 104 00     | 35 75                           | 3 99     | 10 70          | 10 29           | 51 84    | 216 57     |
| February  | 83 20      | 30 22                           | .....    | 8 60           | .....           | .....    | 122 02     |
| March     | 62 40      | .....                           | 2 91     | .....          | 13 23           | .....    | 78 54      |
| Total     | \$1,038 80 | \$279 04                        | \$28 15  | \$78 80        | \$83 40         | \$128 04 | \$1,636 23 |

FARM DEPARTMENT, APRIL 1, 1913, to APRIL 1, 1914

| Month     | Wages      | Garden<br>Seeds,<br>Plants | Poultry, pigs | Electric Light | Market Stand | Blacksmith<br>Repairs, Hardware,<br>Woodenware | Lumber  | Hay and Grain | Straw    | Miscellaneous | Total      |
|-----------|------------|----------------------------|---------------|----------------|--------------|--|---------|---------------|----------|---------------|------------|
| 1913      |            |                            |               |                |              |  |         |               |          |               |            |
| April     | \$260 00   | \$71 85                    | \$128 87      |                | \$100 00     | \$38 88  |         | \$16 31       | \$64 87  |               | \$413 03   |
| May       | 419 00     | 4 12                       |               |                |              | 7 39   |         | 15 43         | 109 25   | \$12 25       | 827 80     |
| June      | 316 88     | 26 79                      |               |                |              | 9 55   |         | 9 36          |          |               | 360 42     |
| July      | 382 16     | 98                         |               |                |              | 13 72  |         | 16 36         |          |               | 409 05     |
| August    | 371 75     | 18 77                      |               |                |              |  |         | 9 36          |          | 4 90          | 418 50     |
| September | 379 50     |                            |               |                |              |  |         | 8 92          |          |               | 388 42     |
| October   | 334 50     |                            |               |                |              | 90 73  | \$34 94 | 23 75         |          | 5 88          | 489 80     |
| November  | 426 13     |                            |               |                |              | 7 10   | 27 77   | 15 34         | 42 62    |               | 518 96     |
| December  | 336 50     |                            |               | \$0 20         |              |  | 2 06    | 39 20         |          |               | 377 96     |
| 1914      |            |                            |               |                |              |  |         |               |          |               |            |
| January   | 321 03     | 9 95                       |               | 40             |              | 69 29  |         | 24 30         | 28 66    |               | 453 63     |
| February  | 228 50     | 37 48                      |               | 40             |              | 43 46  |         | 22 79         |          |               | 332 63     |
| March     | 155 25     |                            |               |                |              |  |         |               |          |               | 155 25     |
| Total     | \$3,931 20 | \$169 94                   | \$128 87      | \$1 00         | \$100 00     | \$280 12                                       | \$64 77 | \$201 12      | \$245 40 | \$23 03       | \$5,145 45 |

HOUSE OFFAL DEPARTMENT, APRIL 1, 1913, to APRIL 1, 1914

| Month     | Wages       | Horseshoeing | Hay and Grain | Hardware | Lumber, Paints,<br>Oils, Brushes | Harnesses, Repairs,<br>Horse Clothing | Electric Light | Horses   | Straw    | Miscellaneous | Total       |
|-----------|-------------|--------------|---------------|----------|----------------------------------|---------------------------------------|----------------|----------|----------|---------------|-------------|
| 1913      |             |              |               |          |                                  |                                       |                |          |          |               |             |
| April     | \$2,830 08  | \$88 49      | \$861 44      |          | \$166 64                         | \$156 27                              | \$1 90         |          | \$64 86  |               | \$4,169 68  |
| May       | 3,635 36    | 27 68        | 8 82          |          |                                  | 235 07                                | 1 40           |          |          | \$12 25       | 3,920 58    |
| June      | 2,737 42    | 96 08        | 978 37        |          | 55 83                            | 27 00                                 | 60             | \$575 00 |          |               | 4,470 30    |
| July      | 2,739 65    | 26 70        | 235 20        |          |                                  | 267 26                                | 20             |          |          | 29 87         | 3,298 88    |
| August    | 3,457 98    | 93 50        | 343 86        |          | 5 47                             | 66 92                                 | 20             | 289 00   |          |               | 4,256 93    |
| September | 2,714 29    | 41 65        | 422 23        |          | 113 55                           | 33 40                                 | 40             |          | 55 65    |               | 3,381 17    |
| October   | 2,758 52    | 69 83        | 176 40        | 19 89    | 100 17                           | 447 69                                | 60             |          |          |               | 3,573 10    |
| November  | 3,529 65    | 58 33        | 634 58        |          | 100 67                           | 108 67                                | 1 60           |          |          |               | 4,433 50    |
| December  | 2,831 67    | 77 52        | 660 13        | 6 70     | 24 70                            | 11 36                                 | 3 00           |          |          | 4 52          | 3,619 60    |
| 1914      |             |              |               |          |                                  |                                       |                |          |          |               |             |
| January   | 4,039 04    | 133 42       | 112 90        |          |                                  | 5 49                                  | 4 20           |          | 81 18    |               | 4,376 23    |
| February  | 2,767 00    | 36 45        | 542 40        |          |                                  | 390 74                                | 4 20           |          |          | 21 56         | 3,762 35    |
| March     | 2,114 59    |              |               |          |                                  |                                       |                |          |          |               | 2,114 59    |
| Total     | \$33,155 25 | \$749 65     | \$4,976 33    | \$26 59  | \$567 03                         | \$1,749 87                            | \$18 30        | \$864 00 | \$201 69 | \$68 20       | \$45,376 91 |



TABLE OF RECEIPTS, APRIL 1, 1913, to APRIL 1, 1914

| Month     | Outside Aid | City Home | City Home<br>Hospital | Farm       | House Offal | Total       |
|-----------|-------------|-----------|-----------------------|------------|-------------|-------------|
| 1913      |             |           |                       |            |             |             |
| April     | \$1,320 62  | \$26 86   | \$71 43               | .....      | \$1,281 69  | \$2,700 60  |
| May       | 35 85       | 5 67      | .....                 | \$193 45   | 695 70      | 930 67      |
| June      | .....       | 22 17     | .....                 | 569 50     | 692 10      | 1,283 77    |
| July      | 733 29      | 23 50     | 120 00                | 512 05     | 345 10      | 1,733 94    |
| August    | 260 68      | 31 81     | 37 14                 | 833 90     | 787 79      | 1,951 32    |
| September | 405 85      | 55 27     | .....                 | 428 90     | 767 81      | 1,657 83    |
| October   | 92 58       | 30 21     | .....                 | .....      | .....       | 122 79      |
| November  | 713 25      | 120 04    | 24 00                 | 462 95     | 1,436 05    | 2,756 29    |
| December  | 156 68      | 19 52     | .....                 | 229 10     | 1,786 87    | 2,192 17    |
| 1914      |             |           |                       |            |             |             |
| January   | 166 79      | 18 13     | .....                 | .....      | 826 47      | 1,011 39    |
| February  | 18 00       | 57 29     | 69 50                 | .....      | 1,408 09    | 1,552 88    |
| March     | 73 43       | 137 50    | .....                 | 1,152 95   | 2,685 47    | 4,049 55    |
| Total     | \$3,977 02  | \$547 97  | \$322 07              | \$4,382 80 | \$12,713 14 | \$21,943 00 |

# REPORT OF THE TRUSTEES OF THE SANDERS TEMPERANCE FUND

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The Trustees of this fund herewith submit their forty-eighth annual report.

The amount of the Sanders Temperance Fund is \$10,000, and was bequeathed to the city by Charles Sanders, at one time a citizen of Cambridge, in the year 1864. The gift was accepted with the understanding that it should constitute the basis of an annuity amounting to \$600.00 to be paid to a missionary. It was prescribed in the will that the city should forever pay the interest thereon "as a permanent salary to some worthy man who has discretion and zeal for the cause, to be constantly employed as a missionary in the cause of temperance in reforming old drunkards and preventing young drunkards and abolishing, as far as possible, the use of all intoxicating articles."

Mr. James Hicks, the present missionary, was appointed in 1896 and has filled the position very satisfactorily ever since. He has been in constant attendance at the court house and has been a great comfort to many victims of the drink habit and their families. He is an ardent advocate of temperance and we are satisfied that his labors in the cause have been productive of much good, and that they have brought happiness to many families.

In his report submitted herewith, Mr. Hicks gives in detail the work performed by him during the past year.

J. EDWARD BARRY,  
PETER J. NELLIGAN,  
JOHN H. LYNCH,

*Trustees of Sanders Temperance Fund.*

*To the Trustees of the Sanders Temperance Fund.*

Gentlemen:—In accordance with your requirements and the custom of former years, I herewith present my report for the year ending March 31st, 1914.

Throughout the year, it has been my hearty desire to carry out the wishes as expressed in the will of the philanthropic donor of the fund—the late Charles Sanders.

Believing, as he did, that drunkenness is a crime, and likewise the origin of a large portion of the crimes, vices and misery among us, I have been desirous to do all in my power for its prevention, working amongst old drunkards and preventing young drunkards from becoming slaves to the drink habit. This report will show the various channels through which I have labored in my desire to accomplish the desired results.

### THIRD DISTRICT COURT

My regular attendance at the sessions of this court gives me ample opportunity to meet the needy and unfortunate who come seeking counsel and encouragement. This is never denied. I am always willing to go at once to the home of the poor, destitute sufferer; find out the cause of the trouble, and then go to work, using the means at my disposal in the hope of removing the cause of the unhappy conditions that I meet in these homes.

I am very often rewarded by seeing in a very short time changes greater than I had ever dreamed of. Men who for years past have neglected to provide for the support of their families, when brought before the court, come to themselves and begin to see the foolishness of drinking and spending their money for liquor; become good fathers; work steadily; turn over their earnings to their wives for the support of their families; attend with their families their respective places of worship on Sunday, and by God's help set a good example to their children. I could go into the homes of hundreds of men in our city who have been thoroughly reformed from the use of strong drink, and are living lives most useful, being not only a credit to their own families and friends, but most helpful to the families about them.

We have in our city four Temples of Honor and three Open Reform Clubs. These organizations are largely composed of reformed men. These people subscribe annually for hall rent and other expenses connected with the temperance work a sum total of not less than thirteen hundred dollars (\$1300). This goes to show the very great interest these temperance people take in themselves and their families, and also their missionary work for the reformation of their fellowmen, held in bondage by the drink habit.

I have attended two hundred and eight (208) temperance meetings officered and conducted by these kind-hearted workers, and given words of advice and encouragement as seemed best to me on these several occasions.



A very great many temperance pledges have been given at these meetings which have proved most helpful to many who have taken them in the right spirit. For over thirty years I have kept in the very forefront of this reform work, and have seen, as will be supposed, many men take a firm stand and become good men in the true sense of the work, and, through the blessing of God, they have become good fathers, good husbands and good citizens.

I have attended to calls for assistance in the temperance work from outside towns and cities, and always have been pleased to tell of our Cambridge experience. I have also spoken on temperance lines in several of our city churches, especially before the young people's societies.

I have visited patients and others in hospitals and city institutions. I have to be grateful to the Social Service Committee of Bishop Brooks House for many thousand pages of literature, and also to Harvard College for reading matter, which have been given to the House of Correction for use among the inmates and also to the hospitals.

During the year, through the kindness of the Superintendents of our factories, I have been instrumental in getting employment for a goodly number of worthy men with families.

There are very many little things I have tried to do in the way of helping the poor that I do not desire, nor would it be right for me, to put in this report.

Through the coal charity I have wisely recommended many needy families, all of which have been aided through the winter by the Trustees of the fund.

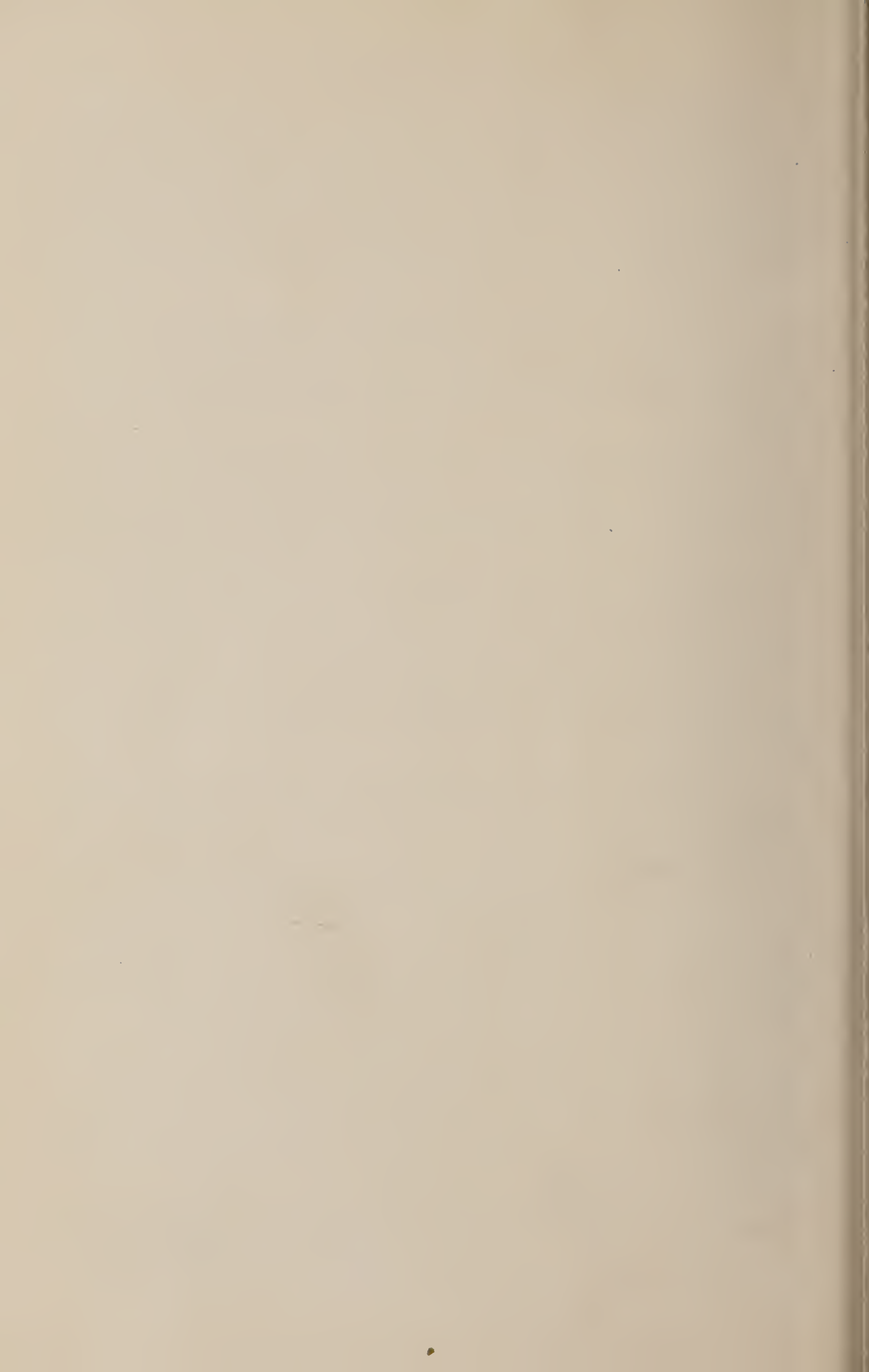
I have also been enabled, through the charitably disposed, to assist many poor families with articles of clothing donated.

During my office hours evenings, I have had two hundred and eighty-four (284) visits from all sorts and conditions of people seeking advice and help of one kind and another. All have been talked with in a friendly way, and I trust their visits made profitable.

This year the liquor question has stirred our people to a sense of their duty, and the outcome has given every right-minded citizen courage and hope for the future. Our past has been a goodly heritage. May we guard it well for our children, our homes, our churches and our schools.

Faithfully yours,

JAMES HICKS,  
*Missionary Sanders Temperance Fund.*



# REPORT OF THE CAMBRIDGE WATER BOARD

---

June, 1914.

*To the Honorable, the City Council of the City of Cambridge:*

The forty-ninth annual report of the Cambridge Water Board for the year ending March 31, 1914, is herewith submitted for your consideration.

The reports of the Superintendent of Water Works, Water Registrar and Commissioners of the Sinking Fund of the City give in detail the operations and financial condition of the Water Works.

## FINANCIAL STATEMENT IN BRIEF

|  |                |
|--|----------------|
| Total cost of the water works to March 31, 1913.....       | \$6,596,816 93 |
| Expended during the past year on construction account..... | 43,215 94      |
| Total cost to March 31, 1914.....                          | \$6,640,032 87 |

## WATER WORKS BOND ACCOUNT

|  |                |
|--|----------------|
| Whole amount of bonds outstanding.....     | \$2,896,100 00 |
| Less value of water debt sinking fund..... | 1,719,049 81   |
| Net water debt on March 31, 1914.....      | \$1,177,050 19 |

During the past year \$16,500.00 of three and one-half per cent. water bonds and \$50,000.00 of four per cent. water bonds matured and were paid.

The following bonds were issued during the year:

July 1, 1913, \$40,000.00 for twenty years at four per cent. per annum in serial form.

November 1, 1913, \$10,000.00 for twenty years at four per cent. per annum in serial form.

Deducting the amount of bonds issued during the year from the bonds paid makes the total bonded indebtedness \$16,500.00 less than on March 31, 1913.



CONSUMPTION OF WATER

|  |               |         |
|--|---------------|---------|
| The total consumption of water for the year ending April 1, 1914, was..... | 3,985,123,900 | gallons |
| The total consumption of water for the year ending April 1, 1913, was..... | 3,827,528,600 | “       |
| <hr/>  |               |         |
| Increase over last year.....   | 157,595,300   | “       |
| Average daily consumption in 1913.....                                     | 10,486,380    | “       |
| Average daily consumption in 1914.....                                     | 10,948,142    | “       |
| <hr/>  |               |         |
| Increase over last year.....   | 461,762       | “       |

WATER SUPPLY

Both Hobbs and Stony Brook reservoirs are full to overflowing, and Fresh Pond is up to high-water mark. The overflow at Stony Brook reservoir last year was 3,022,800,000 gallons.

FUTURE DEVELOPMENT

The Board favorably considered the adoption of a general meter system, but has delayed any recommendation to the City Council, advising the installation of meters, pending the results of a monthly inspection of supplies and fixtures on the premises of the water consumers. The monthly inspection has been in operation two months and we are effecting a saving in our daily average consumption of water of nearly 850,000 gallons. With the continued co-operation of the consumers in promptly repairing defective fixtures, we are confident the installation of meters can be postponed and the consumption of water kept as low or lower than at present.

The Board has had under consideration during the past year the Reports of Consulting Engineer Frederic P. Stearns, Prof. Hector J. Hughes of Harvard University, and City Engineer Hastings, regarding the advisability of the construction of additional storage basins, and filtration of the water; there has also been considered in this connection the change in the statute permitting cities and towns in the Metropolitan Water District to enter the system under more favorable terms than in the past. The Board feels that it is unwise at the present time to recommend any large expenditure for the increased storage capacity, but to endeavor by methods not detrimental to the consumers to reduce the unnecessary waste, thereby decreasing the consumption, and postponing any large increase in our indebtedness

to a time when our debt will be so diminished that we can safely reduce the rates to consumers.

If the present policy is pursued of making no large expenditure for storage capacity, we are confident that it will be possible to reduce the rates in another year.

Another matter which has had our attention during the year is the report compiled by Prof. George C. Whipple, Dr. John W. M. Bunker, et als., of Harvard University, regarding the quality of the water supply. The report strongly recommends the installation of a filtration plant, that all water may be filtered before it enters into the mains for distribution. The Board has the matter under consideration.

### METERS

Three hundred seventeen (317) meters were placed during the year, making the total number now in use five thousand three hundred fifteen (5,315),—32.5% of the services now being metered.

### IN GENERAL

The Board desires to express in this public manner its appreciation of the efficient services of Mr. Brooks, both as Chief Engineer and Superintendent. Mr. Brooks had been in the employ of the City of Cambridge since November, 1870, when he became Chief Engineer of the Pumping Station. In August, 1895, he was elected to fill the position of Superintendent, which latter position he held up to the time of his retirement, under the Veterans' Retirement Act, in March, 1913.

Shortly after the retirement of Mr. Brooks, Mr. Edward W. Quinn was appointed Acting Superintendent.

Mr. Quinn was entirely new to the duties of the position, but his grasp of the requirements was immediate and lasting, and we feel that the Board and the City are to be congratulated that we were able to avail ourselves of the very efficient services rendered by him in the position.

The Water Department has again this year the largest receipts from water rates in its history.

The amount paid into the sinking fund in excess of the legal requirements during the past four years, together with the excess

amount which will be carried to the sinking fund at the end of the present financial year, will unquestionably make the sinking fund sufficiently strong to meet the water debt at maturity.

JAMES J. SCULLY,  
JOHN F. O'BRIEN,  
JOSEPH E. DOHERTY,  
B. E. McDERMOTT,  
JOHN P. CONROY,

*Cambridge Water Board.*



# REPORT OF THE WATER REGISTRAR

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WATER REGISTRAR'S OFFICE,

April 1, 1914.

*To the Cambridge Water Board:*

In compliance with the requirements of the City Ordinance, I present the forty-ninth annual report of the operations of this department, showing the receipts, expenditures, abatements, etc., for the year ending March 31, 1914:

Amount of bills remaining unpaid March 31, 1913:

|                            |            |
|----------------------------|------------|
| Water rates .....          | \$1,778 11 |
| Supplies and repairs ..... | 3,162 44   |
| Off and on .....           | 107 00     |
| Seals .....                | 7 00       |
| Maintenance account .....  | 1,772 07   |
| Construction account ..... | 228 55     |

Amount of bills placed in hands of City  
Treasurer for collection from April 1, 1913, to  
March 31, 1914:

|                            |              |
|----------------------------|--------------|
| Water rates .....          | \$390,128 90 |
| Supplies and repairs ..... | 11,001 74    |
| Off and on .....           | 460 00       |
| Rents .....                | 630 90       |
| Seals .....                | 62 75        |
| Maintenance account .....  | 3,345 71     |
| Construction account ..... | 11,559 35    |

|                   |              |
|-------------------|--------------|
| Total bills ..... | \$424,244 52 |
|-------------------|--------------|

There has been collected:

|                            |              |
|----------------------------|--------------|
| Water rates .....          | \$385,208 71 |
| Supplies and repairs ..... | 11,431 08    |
| Off and on .....           | 450 00       |
| Rents .....                | 610 90       |
| Seals .....                | 55 00        |
| Maintenance account .....  | 3,190 90     |
| Construction account ..... | 10,202 18    |

There has been abated:

|   |            |
|---|------------|
| Water rates, off and on, and seals, supplies and repairs, and construction account..... | \$2,507 36 |
|---|------------|

There remains uncollected:

|                            |            |              |
|----------------------------|------------|--------------|
| Water rates .....          | \$4,244 12 |              |
| Supplies and repairs ..... | 2,708 05   |              |
| Off and on .....           | 99 00      |              |
| Seals .....                | 16 00      |              |
| Rent .....                 | 12 00      |              |
| Maintenance account .....  | 1,923 50   |              |
| Construction account ..... | 1,585 72   |              |
|                            |            | <hr/>        |
|                            |            | \$424,244 52 |

#### EXPENDITURES

|  |             |              |
|--|-------------|--------------|
| Construction account, from April 1, 1913, to March 31, 1914. (This item includes an expenditure of \$4,185.78 for Detector Meters and setting same, which amount is eventually returned to the department in the form of revenue)..... | \$47,401 68 |              |
| Maintenance account, from April 1, 1913, to March 31, 1914.....  | 125,167 51  |              |
| Serial bonds paid.....   | 16,500 00   |              |
|  |             | <hr/>        |
|  |             | \$189,069 19 |

#### ABATEMENTS

|  |            |
|--|------------|
| Water rates and supply and repair bills from April 1, 1913, to March 31, 1914, to the amount of..... | \$2,507 36 |
|--|------------|

#### REFUNDS

|   |              |
|---|--------------|
| Water rates from April 1, 1913, to March 31, 1914, to the amount of.....      | \$1,866 30   |
| Which amount deducted from receipts.....                                      | 385,208 71   |
|   | <hr/>        |
| Leaves net receipts for water.....  | \$383,342 41 |
| Add off and on, rents, fines, seals, and maintenance and supply accounts..... | 15,737 88    |
|   | <hr/>        |
| Makes net receipts of rates, fines, etc.....                                  | \$399,080 29 |

#### OFF AND ON

Water has been shut off for non-payment of rates, as per order on account of vacancy, and seals have been applied to fixtures by requests of owners as follows:

|  |     |
|--|-----|
| Water shut off from April 1, 1913, to March 31, 1914.....            | 684 |
| Supplies let on, shut off from April 1, 1913, to March 31, 1914..... | 587 |
| Supplies let on, shut off in previous years.....                     | 99  |
| New supplies let on, from April 1, 1913, to March 31, 1914.....      | 224 |

|  |     |
|--|-----|
| Seal locks applied to fixtures from April 1, 1913, to March 31, 1914.. | 244 |
| Seal locks removed, put on from April 1, 1913, to March 31, 1914....   | 148 |
| Seal locks removed, put on in previous years.....                      | 153 |

Statement of yearly revenue received from water rates since the purchase of the works by the City:

|   |          |    |
|---|----------|----|
| From April 28, 1865, to December 1, 1865.....             | \$32,367 | 19 |
| From December 1, 1865, to December 1, 1866.....           | 40,073   | 27 |
| From December 1, 1866, to December 1, 1867.....           | 53,733   | 62 |
| From December 1, 1867, to December 1, 1868.....           | 63,747   | 42 |
| From December 1, 1868, to December 1, 1869.....           | 76,149   | 30 |
| From December 1, 1869, to December 1, 1870.....           | 92,605   | 95 |
| From December 1, 1870, to December 1, 1871.....           | 111,782  | 65 |
| From December 1, 1871, to December 1, 1872.....           | 127,201  | 30 |
| From December 1, 1872, to December 1, 1873.....           | 146,117  | 32 |
| From December 1, 1873, to December 1, 1874.....           | 153,634  | 27 |
| From December 1, 1874, to December 1, 1875.....           | 138,880  | 37 |
| From December 1, 1875, to December 1, 1876.....           | 179,166  | 76 |
| From December 1, 1876, to December 1, 1877.....           | 154,843  | 59 |
| From December 1, 1877, to December 1, 1878.....           | 157,443  | 91 |
| From December 1, 1878, to December 1, 1879.....           | 164,681  | 90 |
| From December 1, 1879, to December 1, 1880.....           | 173,325  | 49 |
| From December 1, 1880, to December 1, 1881.....           | 170,062  | 73 |
| From December 1, 1881, to December 1, 1882.....           | 177,430  | 80 |
| From December 1, 1882, to December 1, 1883.....           | 179,361  | 89 |
| From December 1, 1883, to December 1, 1884.....           | 161,526  | 27 |
| From December 1, 1884, to December 1, 1885.....           | 185,544  | 36 |
| From December 1, 1885, to December 1, 1886.....           | 199,404  | 43 |
| From December 1, 1886, to December 1, 1887.....           | 204,748  | 64 |
| From December 1, 1887, to December 1, 1888.....           | 211,156  | 27 |
| From December 1, 1888, to December 1, 1889.....           | 221,124  | 70 |
| From December 1, 1889, to December 1, 1890.....           | 231,116  | 32 |
| From December 1, 1890, to December 1, 1891.....           | 227,054  | 53 |
| From December 1, 1891, to December 1, 1892.....           | 237,527  | 08 |
| From December 1, 1892, to December 1, 1893.....           | 242,219  | 78 |
| From December 1, 1893, to December 1, 1894.....           | 250,032  | 71 |
| From December 1, 1894, to December 1, 1895.....           | 268,813  | 62 |
| From December 1, 1895, to December 1, 1896.....           | 281,030  | 00 |
| From December 1, 1896, to December 1, 1897.....           | 291,457  | 62 |
| From December 1, 1897, to December 1, 1898.....           | 297,129  | 78 |
| From December 1, 1898, to December 1, 1899.....           | 302,569  | 00 |
| From December 1, 1899, to December 1, 1900.....           | 319,479  | 37 |
| From December 1, 1900, to December 1, 1901.....           | 320,468  | 01 |
| From December 1, 1901, to December 1, 1902.....           | 323,000  | 53 |
| From December 1, 1902, to December 1, 1903.....           | 333,777  | 34 |
| From December 1, 1903, to December 1, 1904.....           | 339,109  | 27 |
| From December 1, 1904, to December 1, 1905.....           | 343,916  | 00 |
| From December 1, 1905, to December 1, 1906.....           | 355,768  | 47 |
| From December 1, 1906, to December 1, 1907.....           | 373,151  | 35 |
| From December 1, 1907, to March 31, 1909 (16 months)..... | 410,533  | 41 |
| From April 1, 1909, to March 31, 1910.....                | 351,264  | 86 |
| From April 1, 1910, to March 31, 1911.....                | 375,722  | 42 |
| *From April 1, 1911, to March 31, 1912.....               | 353,891  | 02 |
| From April 1, 1912, to March 31, 1913.....                | 385,475  | 71 |
| From April 1, 1913, to March 31, 1914.....                | 383,342  | 41 |

\*Reduction in water rate schedule.



COMPARATIVE STATEMENT.

|                                     | 1912-1913   |             | 1913-1914   |             |
|-------------------------------------|-------------|-------------|-------------|-------------|
| <b>Construction Account</b>         |             |             |             |             |
| <b>HOBBS BROOK CONDUIT</b>          |             |             |             |             |
| <i>Received</i>                     |             |             |             |             |
| From sale of bonds .....            | \$12,000 00 |             | \$10,000 00 |             |
| Balance from 1912 appropriation...  | 2,485 39    |             |             |             |
| Balance from 1913 appropriation..   |             |             | 6,065 39    |             |
|                                     |             |             |             | \$16,065 39 |
| <i>Expended</i>                     |             |             |             |             |
| Transferred to Construction Account |             | \$14,485 39 |             |             |
| General .....                       | \$2,400 00  |             |             |             |
| Land settlements .....              | 6,020 00    |             | \$6,486 00  |             |
| Balance to credit of 1913-1914..... | 6,065 39    |             |             |             |
| Balance to credit of 1914-1915..... |             |             | 9,579 39    |             |
|                                     |             | 14,485 39   |             | 16,065 39   |
| <b>Construction Account</b>         |             |             |             |             |
| <b>GENERAL</b>                      |             |             |             |             |
| <i>Received</i>                     |             |             |             |             |
| From bonds issued .....             | \$40,000 00 |             | \$40,000 00 |             |
| Balance from 1912 appropriation..   | 936 76      |             |             |             |
| Balance from 1913 appropriation..   |             |             | 44 85       |             |
| Transferred from Construction       |             |             |             |             |
| Hobbs Brook Conduit .....           | 2,400 00    |             |             |             |
|                                     |             | \$43,336 76 |             | \$40,044 85 |
| <i>Expended</i>                     |             |             |             |             |
| Sundry bills and pay rolls.....     | \$43,291 91 |             | \$36,729 94 |             |
| Balance to credit of 1913-1914..... | 44 85       |             |             |             |
| Balance to credit of 1914-1915..... |             |             | 3,314 91    |             |
|                                     |             | \$43,336 76 |             | 40,044 85   |
| <b>Construction Account.</b>        |             |             |             |             |
| <b>DETECTOR METERS</b>              |             |             |             |             |
| <i>Received</i>                     |             |             |             |             |
| From sale of bonds .....            | \$10,000 00 |             |             |             |
| Balance from 1913 appropriation..   |             |             | \$2,470 12  |             |
| Transferred from receipts .....     |             |             | 5,000 00    |             |
|                                     |             | \$10,000 00 |             | \$7,470 12  |
| <i>Expended</i>                     |             |             |             |             |
| For meters and setting .....        | \$7,529 88  |             | \$4,185 74  |             |
| Balance to credit of 1913-1914..... | 2,470 12    |             |             |             |
| Balance to credit of 1914-1915..... |             |             | 3,284 38    |             |
|                                     |             | 10,000 00   |             | \$7,470 12  |

## COMPARATIVE STATEMENT—(Concluded)

|   | 1912-1913    |              | 1913-1914    |              |
|---|--------------|--------------|--------------|--------------|
|   |              |              |              |              |
| <b>Maintenance Account</b>                          |              |              |              |              |
| <i>Received</i>                                     |              |              |              |              |
| From rates, fines, etc. ....                        | \$406,577 96 |              | \$403,453 95 |              |
| Accrued interest on bonds sold ....                 | 127 77       |              | 154 29       |              |
| Premium on bonds issued .....                       | 56 85        |              |              |              |
|   |              | \$406,742 58 |              | \$403,608 24 |
| <i>Expended</i>                                     |              |              |              |              |
| Salaries of Registrar, Superintendent, etc. ....    | \$15,198 23  |              | 14,191 84    |              |
| General expenses and Reservoirs..                   | 75,430 88    |              | 83,075 41    |              |
| Pumping salaries and other expenses .....           | 23,116 63    |              | 24,429 45    |              |
| Ice for drinking fountains .....                    | 800 00       |              | 970 81       |              |
| Services of city solicitor and city treasurer ..... | 2,500 00     |              | 2,500 00     |              |
| Abatements and refunds .....                        | 6,801 37     |              | 4,373 66     |              |
| Sinking fund .....                                  | 103,005 00   |              | 92,880 00    |              |
| Interest on water debt .....                        | 117,115 25   |              | 110,965 25   |              |
| Serial bonds paid .....                             | 13,500 00    |              | 16,500 00    |              |
| Study of water supply .....                         | 1,815 07     |              |              |              |
| Balance due sinking fund .....                      | 47,460 15    |              | 53,721 82    |              |
|   |              | 406,742 58   |              | 403,608 24   |
| Balance due sinking fund 1912-1913                  |              | \$47,460 15  |              | \$53,721 82  |
| Balance due sinking fund 1913-1914                  |              |              |              |              |

The usual house to house inspection has been made.

Respectfully submitted,

WALTER H. HARDING, *Registrar.*

# REPORT OF THE SUPERINTENDENT OF THE WATER WORKS

---

Cambridge, Mass., April 1, 1914.

*To the Honorable Water Board of the City of Cambridge:*

Gentlemen:—Complying with the requirements of the City Ordinance, I herewith submit for the year extending from April 1, 1913, to March 31, 1914, the annual report of the Acting Superintendent, who was elected after the resignation of our former Superintendent, Mr. Edwin C. Brooks.

## CONSUMPTION

The total quantity of water pumped during the year was 3,985,123,900 gallons or an increase of 157,595,300 gallons over last year's amount. In January, February and March of this year the increase over last year's consumption was 134,620,000, or 85% of the total increase.

There is no doubt that this excess in use is due to the waste by consumers to prevent freezing during the cold weather.

The average daily consumption was 10,948,142 gallons, an increase over last year of 461,762 gallons.

The average daily consumption per capita was 97 75-100 gallons, or an increase of 2 42-100 gallons.

The amount of water used this year in street sprinkling was about 7,500,000 gallons less than last—i. e. 42,657,900 gallons.

No doubt during the coming years the amount of water used on streets will be less as the use of oil increases for this purpose.



Table Showing the Total Consumption for the Year Ending March 31, 1914, as Compared with the Year Ending March 31, 1913.

|                 | Total<br>Consumption<br>Year Ending<br>March 31, 1913 | Total<br>Consumption<br>Year Ending<br>March 31, 1914 | Increase    | Decrease   |
|-----------------|---|---|-------------|------------|
|                 | Gallons   | Gallons   | Gallons     | Gallons    |
| April .....     | 307,265,600   | 317,884,800   | 10,619,200  | .....      |
| May .....       | 327,492,000   | 339,013,000   | 11,521,000  | .....      |
| June .....      | 338,332,000   | 338,099,000   | .....       | 233,000    |
| July .....      | 328,162,800   | 342,291,200   | 14,128,400  | .....      |
| August .....    | 337,176,600   | 317,070,800   | .....       | 20,105,800 |
| September ..... | 304,437,400   | 288,735,300   | .....       | 15,702,100 |
| October .....   | 315,198,200   | 317,279,600   | 2,081,400   | .....      |
| November .....  | 294,644,400   | 312,438,200   | 17,793,800  | .....      |
| December .....  | 319,302,800   | 322,175,200   | 2,872,400   | .....      |
| January .....   | 318,977,600   | 371,258,800   | 52,281,200  | .....      |
| February .....  | 306,042,000   | 362,078,400   | 56,036,400  | .....      |
| March .....     | 330,497,200   | 356,799,600   | 26,302,400  | .....      |
|                 | 3,827,528,600   | 3,985,123,900   | 157,595,300 |            |

Comparative Statement of Total Consumption During the Past Ten Years.

| Year  | Annual<br>Consump-<br>tion | Increase or<br>Decrease | Average<br>Daily<br>Consump-<br>tion | Increase or<br>Decrease | Average<br>Daily<br>Consump-<br>tion per<br>Capita | Esti-<br>mated<br>Popu-<br>lation |
|-------|----------------------------|-------------------------|--------------------------------------|-------------------------|--|-----------------------------------|
|       | Gallons                    | Gallons                 | Gallons                              | Gallons                 | Gallons  |                                   |
| *1904 | 3,210,982,145              | 50,277,785 increase     | 8,773,175                            | 113,712 increase        | 89.68  | 97,825                            |
| *1905 | 3,294,159,640              | 83,177,495 "            | 9,025,095                            | 251,920 "               | 92.63  | 97,426                            |
| *1906 | 3,386,180,600              | 92,020,960 "            | 9,277,207                            | 252,112 "               | 92.83  | 99,934                            |
| *1907 | 4,038,875,720              | 652,695,120 "           | 11,065,413                           | 1,788,206 "             | 110.00   | 99,912                            |
| *1908 | 3,842,170,340              | 196,705,380 decrease    | 10,497,733                           | 567,680 decrease        | 104.00   | 100,000                           |
| †1909 | 3,692,451,980              | 149,718,360 "           | 10,116,307                           | 381,426 "               | 101.00   | 100,000                           |
| †1910 | 3,678,588,720              | 13,763,260 "            | 10,078,325                           | 37,982 "                | 97.84  | 103,000                           |
| †1911 | 3,794,689,680              | 116,100,960 increase    | 10,396,410                           | 318,085 increase        | 99.16  | 104,839                           |
| †1912 | 3,868,026,800              | 73,337,120 "            | 10,568,380                           | 171,970 "               | 100.00   | 104,839                           |
| †1913 | 3,827,528,600              | 40,498,200 decrease     | 10,486,380                           | 82,000 decrease         | 95.33  | 110,000                           |
| †1914 | 3,985,123,900              | 157,595,300 increase    | 10,948,142                           | 461,762 increase        | 97.75  | 112,000                           |

\* Figures for year extending from December 1 to November 30.

† Figures for year extending from April 1 to March 31.

The following statistics refer to year extending from April 1, 1913, to March 31, 1914:

|   |                |
|---|----------------|
| Total amount of coal consumed.....  | 5,094,700 lbs. |
| Daily average coal consumed.....  | 13,958 lbs.    |
| Coal per million gallons pumped.....  | 1,278 lbs.     |
| Highest water elevation in Fresh Pond was on May 31, 1913.....  | 17.24          |
| Lowest water elevation in Fresh Pond was on Sept. 16, 1913.....                                       | 15.09          |
| Average height of water in Fresh Pond.....  | 16.20          |
| Highest water elevation in Stony Brook Reservoir was on March 4, 1914                                 | 82.64          |
| Lowest water elevation in Stony Brook Reservoir was on July 20, 1913                                  | 67.18          |
| Highest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on March 27, 1914.....   | 181.75         |
| Lowest water elevation in Hobbs Brook Reservoir, No. 1, Lincoln Street, was on September 1, 1913..... | 180.25         |
| Highest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on March 7, 1914.....     | 181.65         |
| Lowest water elevation in Hobbs Brook Reservoir, No. 2, Winter Street, was on October 1, 1913.....    | 176.65         |
| Total rainfall at Fresh Pond Pumping Station.....   | 39.24          |
| Total rainfall at Stony Brook Reservoir.....  | 42.13          |
| Total rainfall at Hobbs Brook Reservoir.....  | 40.71          |

Total Rainfall for the Past Eleven Years at Fresh Pond Reservoir.  
Conforming to fiscal year ending March 31

|                 | 1903   | 1904   | 1905   | 1906   | 1907   | 1908   | 1909   | 1910   | 1911   | 1912   | 1913   |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
|                 | Inches | Inches | Inches | Inches | Inches | Inches | Inches | Inches | Inches | Inches | Inches |
| April.....      | 3.98   | 8.57   | 2.87   | 2.02   | 2.64   | 1.54   | 3.41   | 2.46   | 2.27   | 1.98   | 4.31   |
| May.....        | .35    | 3.58   | 1.30   | 5.73   | 2.86   | 3.03   | 1.53   | 1.31   | .44    | 3.13   | 3.50   |
| June.....       | 8.46   | 2.74   | 4.41   | 3.81   | 2.66   | .70    | 3.45   | 4.44   | 3.66   | .19    | .97    |
| July.....       | 3.72   | 1.70   | 1.86   | 3.26   | 1.20   | 3.21   | 1.45   | 1.87   | 4.86   | 7.34   | 2.63   |
| August.....     | 3.81   | 2.53   | 3.06   | 1.43   | .69    | 3.40   | 3.03   | .84    | 4.01   | 1.57   | 3.09   |
| September....   | 1.72   | 5.87   | 5.97   | 2.31   | 7.92   | .64    | 5.11   | 2.51   | 3.12   | 1.71   | 2.26   |
| October.....    | 4.54   | 1.85   | 1.30   | 2.86   | 2.57   | 3.16   | .88    | 1.08   | 1.14   | 1.32   | 6.84   |
| November....    | 1.70   | 2.83   | 2.91   | 2.80   | 5.95   | .58    | 3.15   | 3.72   | 3.32   | 2.01   | 2.40   |
| December.....   | 2.87   | 1.92   | 3.63   | 4.10   | 3.87   | 2.27   | 3.11   | 2.09   | 3.43   | 3.65   | 2.86   |
|                 | 1904   | 1905   | 1906   | 1907   | 1908   | 1909   | 1910   | 1911   | 1912   | 1913   | 1914   |
| January.....    | 5.00   | 3.47   | 2.46   | 2.46   | 3.28   | 3.92   | 4.53   | 2.64   | 2.72   | 2.16   | 3.52   |
| February.....   | 3.00   | 1.09   | 2.73   | 1.59   | 3.39   | 4.81   | 4.44   | 2.82   | 2.24   | 2.28   | 2.60   |
| March.....      | 2.35   | 2.52   | 5.67   | 1.91   | 2.97   | 3.41   | .88    | 3.08   | 4.39   | 3.24   | 4.26   |
| Total inches... | 41.50  | 38.67  | 38.17  | 34.28  | 40.00  | 30.67  | 34.97  | 28.86  | 35.60  | 30.58  | 39.24  |

**Tótal Rainfall for the Past Year at Fresh Pond, Stony Brook and Hobbs Brook Reservoirs**

|                           | Fresh Pond<br>Reservoir | Stony Brook<br>Reservoir | Hobbs Brook<br>Reservoir |
|---------------------------|-------------------------|--------------------------|--------------------------|
| <b>1913</b>               | Inches                  | Inches                   | Inches                   |
| April .....               | 4.31                    | 4.24                     | 4.33                     |
| May .....                 | 3.50                    | 4.11                     | 3.87                     |
| June .....                | .97                     | .87                      | 1.47                     |
| July .....                | 2.63                    | 3.05                     | 3.25                     |
| August .....              | 3.09                    | 4.12                     | 3.85                     |
| September .....           | 2.26                    | 3.72                     | 2.95                     |
| October .....             | 6.84                    | 5.98                     | 5.82                     |
| November .....            | 2.40                    | 2.31                     | 2.00                     |
| December .....            | 2.86                    | 2.99                     | 2.72                     |
| <b>1914</b>               |                         |                          |                          |
| January .....             | 3.52                    | 3.43                     | 3.03                     |
| February .....            | 2.60                    | 3.34                     | 2.75                     |
| March .....               | 4.26                    | 3.97                     | 4.67                     |
| <b>Total inches .....</b> | <b>39.24</b>            | <b>42.13</b>             | <b>40.71</b>             |

**Total Rainfall for the Past Twelve Years at Fresh Pond, Stony Brook and Hobbs Brook Reservoirs**

|            | Fresh Pond<br>Reservoir | Stony Brook<br>Reservoir | Hobbs Brook<br>Reservoir |
|------------|-------------------------|--------------------------|--------------------------|
|            | Inches                  | Inches                   | Inches                   |
|            | Year extending          | from December 1          | to November 30           |
| 1903 ..... | 44.23                   | 45.97                    | 47.42                    |
| 1904 ..... | 42.89                   | 41.18                    | 39.95                    |
| 1905 ..... | 32.68                   | 38.40                    | 37.96                    |
| 1906 ..... | 38.71                   | 39.16                    | 39.16                    |
| 1907 ..... | 36.55                   | 42.32                    | 39.20                    |
| 1908 ..... | 29.77                   | 34.93                    | 31.50                    |
|            | Year extending          | from April 1             | to March 31              |
| 1909 ..... | 30.67                   | 34.87                    | 34.77                    |
| 1910 ..... | 34.97                   | 37.83                    | 35.08                    |
| 1911 ..... | 28.86                   | 31.78                    | 28.26                    |
| 1912 ..... | 35.60                   | 42.63                    | 39.90                    |
| 1913 ..... | 30.58                   | 41.22                    | 40.26                    |
| 1914 ..... | 39.24                   | 42.13                    | 40.71                    |



FRESH POND RESERVOIR

|                    | Lowest Elevation<br>During Month | Highest Elevation<br>During Month | Monthly<br>Rainfall |
|--------------------|----------------------------------|-----------------------------------|---------------------|
| 1913               |                                  |                                   |                     |
| April 1 .....      | 16.20                            | .....                             | .....               |
| April 30 .....     | .....                            | 17.06                             | 4.31                |
| May 18 .....       | 16.93                            | .....                             | .....               |
| May 31 .....       | .....                            | 17.24                             | 3.50                |
| June 2 .....       | .....                            | 17.24                             | .....               |
| June 30 .....      | 16.70                            | .....                             | .97                 |
| July 1 .....       | .....                            | 16.65                             | .....               |
| July 31 .....      | 15.65                            | .....                             | 2.63                |
| August 2 .....     | .....                            | 15.65                             | .....               |
| August 29 .....    | 15.10                            | .....                             | 3.09                |
| September 16 ..... | 15.09                            | .....                             | .....               |
| September 30 ..... | .....                            | 15.45                             | 2.26                |
| October 14 .....   | 15.38                            | .....                             | .....               |
| October 31 .....   | .....                            | 16.21                             | 6.84                |
| November 8 .....   | 15.87                            | .....                             | .....               |
| November 30 .....  | .....                            | 16.37                             | 2.40                |
| December 23 .....  | 16.34                            | .....                             | .....               |
| December 27 .....  | .....                            | 16.83                             | 2.86                |
| 1914               |                                  |                                   |                     |
| January 1 .....    | .....                            | 16.52                             | .....               |
| January 17 .....   | 15.85                            | .....                             | 3.52                |
| February 10 .....  | .....                            | 16.60                             | .....               |
| February 28 .....  | 15.71                            | .....                             | 2.60                |
| March 1 .....      | 15.74                            | .....                             | .....               |
| March 31 .....     | .....                            | 16.85                             | 4.26                |
|                    |                                  |                                   | 39.24               |

PUMPING STATION

The report of the Chief Engineer at the Pumping Station (appended) contains an account of the changes and improvements at the Pumping Station this year.

Our wooden coal shed was completely destroyed by fire on October 5, 1913. It was discovered about four A. M. Sunday morning and was supposed to be the work of an incendiary.

The ruins were torn down by the employees of the department.

It will be necessary to erect a new shed this year, and when the plans are prepared I would recommend that a suitable arrangement be considered for handling the cargoes of coal as they are delivered, and especially a method for handling and weighing coal as used.

FRESH POND PUMPING STATION

|               | RUNNING TIME |          |               | PUMPAGE       |               | COAL CONSUMED |               | Rainfall | Average Height of Pond. |
|---------------|--------------|----------|---------------|---------------|---------------|---------------|---------------|----------|-------------------------|
|               | Engine No.   | Total    | Daily Average | Total         | Daily Average | Total         | Daily Average |          |                         |
| 1913          |              | Hours    | Hours         | Gallons       | Gallons       | Pounds        | Pounds        | Inches   | Feet                    |
|               | 7            | 391.25   |               | 317,884,800   | 10,596,160    | 393,100       | 13,103        | 4.31     | 16.65                   |
|               | 7            | 419.75   |               | 339,013,000   | 10,935,903    | 424,300       | 13,687        | 3.50     | 17.03                   |
|               | 7            | 419.50   |               | 338,099,000   | 11,269,966    | 433,600       | 14,453        | .97      | 16.98                   |
|               | 7            | 425.25   |               | 342,291,200   | 11,041,651    | 425,700       | 13,732        | 2.63     | 16.11                   |
|               | 7            | 394.75   |               | 317,070,800   | 10,228,090    | 399,200       | 12,877        | 3.09     | 15.36                   |
|               | 7            | 357.00   |               | 288,735,300   | 9,956,389     | 365,200       | 12,173        | 2.26     | 15.20                   |
|               | 7            | 390.75   |               | 317,279,600   | 10,234,825    | 397,100       | 12,809        | 6.84     | 15.59                   |
|               | 7            | 387.00   |               | 312,438,200   | 10,414,606    | 392,300       | 13,076        | 2.40     | 16.09                   |
|               | 7            | 398.75   |               | 322,175,200   | 10,392,748    | 415,800       | 13,412        | 2.86     | 16.56                   |
|               |              |          |               |               |               |               |               |          |                         |
|               |              |          |               |               |               |               |               |          |                         |
| 1914          | 7            | 458.00   |               | 371,258,800   | 11,976,090    | 490,400       | 15,819        | 3.52     | 16.11                   |
|               | 7            | 447.50   |               | 362,078,400   | 12,931,371    | 488,800       | 17,457        | 2.60     | 16.23                   |
|               | 7            | 441.25   |               | 356,799,600   | 11,509,664    | 469,200       | 15,135        | 4.26     | 16.46                   |
| Total         |              | 4,930.75 |               | 3,985,123,900 |               | 5,094,700     |               | 39.24    |                         |
| Daily average |              |          | 13.50         |               | 10,948,142    |               | 13,958        |          | 16.20                   |

OPERATING EXPENSES AT THE PUMPING STATION

For the year extending from April 1, 1913, to March 31, 1914:

|                                    |             |             |
|------------------------------------|-------------|-------------|
| Auto hire .....                    | \$3 92      |             |
| Advertising .....                  | 43 36       |             |
| Analyses .....                     | 61 16       |             |
| Building repairs .....             | 111 89      |             |
| Car tickets .....                  | 10 00       |             |
| Disinfectants .....                | 3 67        |             |
| Electric work and supplies.....    | 42 47       |             |
| Engines, boilers and repairs.....  | 413 87      |             |
| Expressage .....                   | 26 82       |             |
| Feed pump .....                    | 429 48      |             |
| Fire alarm box .....               | 87 50       |             |
| Fire extinguishers, supplies ..... | 98          |             |
| Fittings and pipe.....             | 48 27       |             |
| Fuel .....                         | 10,468 82   |             |
| Gauge charts and glasses.....      | 5 07        |             |
| Hardware, tools, etc.....          | 120 92      |             |
| Ice .....                          | 29 06       |             |
| Injector .....                     | 70 50       |             |
| Inspection of boilers .....        | 15 00       |             |
| Oil, waste, packing, etc.....      | 943 76      |             |
| Plumbing supplies .....            | 2 74        |             |
| Screens .....                      | 51 92       |             |
| Stationery .....                   | 13 01       |             |
| Telephone .....                    | 71 08       |             |
| Telephone supplies .....           | 3 15        |             |
|                                    | <hr/>       |             |
|                                    | \$13,078 42 |             |
| Salaries, labor, etc.....          | 11,351 03   |             |
|                                    | <hr/>       |             |
|                                    |             | \$24,429 45 |

FORTY-INCH STEEL MAIN

There have been two (2) leaks during the year on this main—one at Huron Avenue and one at the Pumping Station, but outside of these leaks this main has given us no anxiety.

PAYSON PARK RESERVOIR

Bath basins were thoroughly cleaned this year and are in good condition.

Electric lights have been installed in the gate house.

The banks should receive attention during the coming year, as they are in poor condition.

The fence at the Reservoir should be painted and the mason work of the gate house pointed at an early date.



## PIPE YARD

One end of the stable has been changed into a garage, furnished with sliding doors, which give easy facilities for the passing of the auto trucks that the department has this year purchased.

The roof of the dwelling house has been shingled.

Referring to the recommendations of our former Superintendent, I, also, suggest that a new fence be built on Auburn Street, and a new fence be built between the Sewer Department and Water Department Yards.

Also, that the woodwork of shop and stables be painted.

At Portland Street, I would call attention to the necessity of equipping this yard with a method for the easy handling of heavy pipe.

At present the system is wholly inadequate.

## LEAKAGE

Twenty-nine hundred seventy-eight (2978) leaks, the second largest number found since the existence of our works, were reported the past year.

Two hundred seventy-two (272) were reported at the office for repairs and they were renewed or repaired by the department.

Twenty-seven hundred six (2706) were reported by the inspectors as found on premises while making their annual canvas.

The owners of the property were notified to repair them.

Following is the account of total number :

|       |                           |
|-------|---------------------------|
| 71    | on basins                 |
| 54    | on baths                  |
| 454   | on faucets                |
| 7     | on pipes                  |
| 5     | on sillcocks              |
| 23    | on tanks                  |
| 1     | on heater                 |
| 1     | on boiler                 |
| 2048  | on water closets          |
| 42    | on wash trays             |
| <hr/> |                           |
| 2706  | total found by inspectors |
| 2     | on 40-inch steel main     |
| 1     | on 24-inch main           |
| 3     | on 20-inch mains          |
| 1     | on 12-inch main           |
| 2     | on 8-inch mains           |
| 11    | on 6-inch mains           |
| 2     | on 4-inch mains           |

- 6 on hydrants
- 2 on blow-offs
- 35 on gates
- 1 on fountain
- 203 on supplies
- 3 on street watering standpipes

2978 total

Following is the account of the number of leaks reported annually for the past twelve years and those caused by electrolytic corrosion.

The shrinkage in the number of leaks from electrolysis is due to the existence of our subway which necessitated a change in the power system and relocation of wires.

|              | Total | Electrolysis |
|--------------|-------|--------------|
| *1902.....   | 2,339 | 13           |
| *1903.....   | 2,281 | 10           |
| *1904.....   | 2,114 | 24           |
| *1905.....   | 2,119 | 14           |
| *1906.....   | 2,274 | 24           |
| †1907-9..... | 3,537 | 10           |
| ‡1910.....   | 2,571 | 21           |
| ‡1911.....   | 2,200 | 14           |
| ‡1912.....   | 2,655 | 4            |
| ‡1913.....   | 2,836 | 2            |
| ‡1914.....   | 2,978 | 1            |

\*For years ending November 30.  
†For sixteen months ending March 31, 1909.  
‡For year ending March 31.

MAIN PIPE

To meet the requirements of the property that is being developed, this year's large extensions of main pipe were laid in the Fresh Pond district, in Huron Avenue, Fresh Pond Avenue and Parkway, and around the Charles River Basin, in the Brookline Bridge vicinity, where a sixteen-inch (16") main was laid from Putnam Avenue to Chestnut Street; here it was reduced to twelve-inch (12"); thence through Vassar Street, Amesbury Street, to Charles River Road, where it was reduced to six-inch (6"), and through Charles River Road for a distance of two thousand, three hundred forty-one (2,341) feet. A six-inch (6") main now is in commission in Charles River Road from Massachusetts Avenue, west, to the Boston Athletic Club Boat House.

A list of the extensions and renewals of main pipe will be found on pages 528-530.

The ten-inch (10") main that connected Kirkland Street and Garden Street at Massachusetts Avenue has been capped each side of the subway location and abandoned. This site was given for the occupancy of the new flag-staff.

The annual inspection of main pipes was made, and the dead ends blown off through the hydrants or blow-offs at the end of pipes.

Three (3) blow-offs were set to replace old ones five (5) were reset and one (1) repaired.

In connection with the extensions of our main pipes five (5) new blow-offs have been set.



MAIN PIPE EXTENSIONS AND RENEWALS MADE DURING YEAR

|  | EXTENSIONS |        | RENEWALS |        | GATES  |
|--|------------|--------|----------|--------|--------|
|  | Feet       | Size   | Feet     | Size   | Size   |
|  |            | Inch's |          | Inch's | Inch's |
| Aberdeen Avenue .....  | 170        | 6      |          |        |        |
| Aberdeen Avenue, to connect Huron Avenue ..                        | 99         | 6      |          |        |        |
| Aberdeen Avenue, on hydrant .....                                  | 6          | 6      |          |        |        |
| Aberdeen Avenue, at Huron Avenue, south, east side .....           |            |        |          |        | 6      |
| Aberdeen Avenue, at Huron Avenue, south, west side .....           |            |        |          |        | 6      |
| Amesbury Street, from Charles River Road to Vassar Street .....    | 525        | 12     |          |        |        |
| Arrow Street, from Bow Street .....                                | 192        | 4      |          |        |        |
| Arrow Street, on blow-off .....                                    | 3½         | 1½     |          |        |        |
| Arrow Street, at Bow Street .....                                  |            |        |          |        | 4      |
| Ash Street Place, connecting Fuller Place....                      | 94         | 4      |          |        |        |
| Baldwin Street, from Cambridge Street, north                       |            |        | 756      | 6      |        |
| Baldwin Street, 586 feet from Cambridge Street                     |            |        |          |        | 6      |
| Berkeley Place, Extension .....                                    | 82         | 4      |          |        |        |
| Binney Street, on hydrants .....                                   | 33         | 6      |          |        |        |
| Blair Place, from Bolton Street .....                              |            |        | 187      | 2      | 2      |
| Bradbury Street, on hydrant .....                                  |            |        | 4        | 4      |        |
| Bridge Street, on hydrant .....                                    |            |        | 10       | 6      |        |
| Brookline Street to Charles River Road.....                        | 187        | 6      |          |        |        |
| Brookline Street, on cross connection .....                        |            |        |          |        | 6      |
| Buckingham Street, corner Healey Street, on hydrant .....          |            |        | 6        | 6      |        |
| Central Square, on hydrant .....                                   | 7          | 6      |          |        |        |
| Central Square, on hydrant .....                                   |            |        | 40       | 6      |        |
| Charles River Road, from Fowler Street to B. A. A. Boathouse ..... | 2341       | .6     |          |        |        |
| Charles River Road, at Amesbury Street, west                       |            |        |          |        | 6      |
| Charles River Road at Amesbury Street, east..                      |            |        |          |        | 6      |
| Charles River Road, at Fowler Street, east ..                      |            |        |          |        | 6      |
| Chestnut Street, from Vassar Street to Waverly Street .....        | 196        | 12     |          |        |        |
| Cogswell Avenue, on hydrant .....                                  |            |        | 6        | 6      |        |
| Concord Avenue, at Parker Street, on hydrant                       |            |        | 23       | 6      |        |
| Cottage Street, at Magazine Street .....                           |            |        | 11       | 6      | 6      |
| Ellery Street, from Massachusetts Avenue to Broadway .....         |            |        | 1263     | 8      |        |
| Ellery Street, at Massachusetts Avenue, north east .....           |            |        |          |        | 8      |
| Ellery Street, at Harvard Street, south west..                     |            |        |          |        | 8      |
| Ellery Street, at Harvard Street, south east..                     |            |        |          |        | 8      |
| Ellery Street, at Broadway, south west ..                          |            |        |          |        | 8      |
| Emily Street, from Sidney Street .....                             | 370        | 6      |          |        |        |
| Emily Street, on hydrant .....                                     | 7          | 6      |          |        |        |
| Emily Street, at Sidney Street .....                               |            |        |          |        | 6      |
| Fairfield Street, from Rindge Avenue to Pemberton Street .....     |            |        | 610      | 6      |        |
| Fairfield Street, on hydrant .....                                 |            |        | 6        | 6      |        |
| Fairfield Street, at Pemberton Street .....                        |            |        |          |        | 6      |
| Fowler Street, from Charles River Road ....                        | 103        | 6      |          |        |        |
| Fowler Street (blow-off) .....                                     | 3          | 1½     |          |        |        |
| Franklin Street, from Pleasant Street to Western Avenue .....      | 65         | 2      |          |        |        |
| Fresh Pond Avenue, from Fresh Pond Parkway to Larch Road .....     | 242        | 6      |          |        |        |
| Fresh Pond Avenue, at Larch Road .....                             |            |        |          |        | 6      |
| Fresh Pond Avenue, from Larch Road, east..                         | 453        | 6      |          |        |        |
| Fresh Pond Avenue, on hydrant, 450 feet from Larch Road .....      | 7          | 6      |          |        |        |

## MAIN PIPE EXTENSIONS AND RENEWALS MADE DURING YEAR—Continued

|   | EXTENSIONS |                | RENEWALS |                | GATES          |
|---|------------|----------------|----------|----------------|----------------|
|   | Feet       | Size<br>Inch's | Feet     | Size<br>Inch's | Size<br>Inch's |
| Fresh Pond Avenue, at Larch Road, east.....                   |            |                |          |                | 6              |
| Fresh Pond Parkway, to connect F. P. Avenue                   | 13         | 6              |          |                | 6              |
| Fresh Pond Parkway, at Huron Avenue, south                    |            |                |          |                | 6              |
| Fresh Pond Parkway, from Huron Ave., south                    | 726        | 6              |          |                |                |
| Fresh Pond Parkway, cross-over, Huron Ave...                  | 45         | 8              |          |                |                |
| Gracewood Park, from Lexington Avenue....                     | 146½       | 2              |          |                |                |
| Gracewood Park, blow-off .....                                | 3          | 1½             |          |                |                |
| Hancock Street, from Centre Street, south west                |            |                | 260      | 6              |                |
| Hastings Square, from Henry Street.....                       | 17         | 6              |          |                |                |
| Hastings Square, from Henry Street .....                      | 114        | 4              |          |                |                |
| Highland Avenue, corner Broadway, hydrant..                   |            |                | 8        | 6              |                |
| Highland Ave., corner Highland Ave. hydrant                   | 9          | 6              |          |                |                |
| Hunting Street, from Cambridge St., north east                |            |                | 523      | 6              |                |
| Hunting Street, at Cambridge St., north east..                |            |                |          |                | 6              |
| Huron Avenue, from Aberdeen Avenue to F. P.<br>Parkway .....  | 847        | 8              |          |                |                |
| Huron Ave., cor. Raymond Street, on hydrant                   |            |                | 6        | 6              |                |
| Ivy Street (blow-off) .....                                   | 3½         | 1½             |          |                |                |
| Ivy Street, from Fayerweather Street .....                    | 135        | 6              |          |                |                |
| Ivy Street, at Fayerweather Street .....                      |            |                |          |                | 6              |
| Larch Road, to connect Fresh Pond Avenue..                    | 13         | 6              |          |                |                |
| Mass. Avenue, cross-over Gladstone Street..                   |            |                |          |                |                |
| Mass. Avenue, on cross-over Gladstone Street..                | 66         | 8              |          |                | 8              |
| Mass. Avenue, from Tannery Street, west ....                  | 802        | 8              |          |                |                |
| Mass. Avenue from Tannery Street, west ....                   |            |                |          |                | 8              |
| Mass. Avenue, at Tannery Street, hydrant ....                 |            |                | 12       | 6              |                |
| Mass. Avenue, at Newman Street, hydrant.....                  | 12         | 6              |          |                |                |
| Mass. Avenue, at Railroad Crossing .....                      |            |                | 12       | 6              |                |
| Mass. Avenue, hydrant .....                                   |            |                | 11       | 6              |                |
| Mt. Auburn Street, near Aberdeen Ave. hydrant                 | 6          | 6              |          |                |                |
| Mt. Auburn Street, on hydrant .....                           |            |                | 8        | 6              |                |
| Newman Street, at Massachusetts Ave., north                   |            |                |          |                | 6              |
| Newton Street, from Putnam Avenue .....                       | 24         | 6              |          |                |                |
| Newton Street, at Putnam Avenue .....                         |            |                |          |                | 6              |
| Oak Circle .....  | 35         | 4              |          |                |                |
| Oxford Street, on hydrants .....                              |            |                | 12       | 6              |                |
| Pemberton Street, from Yerxa Road to angle                    | 683        | 6              |          |                |                |
| Pemberton Street, on hydrant .....                            | 13         | 6              |          |                |                |
| Pemberton Street, at Yerxa Road .....                         |            |                |          |                | 6              |
| Reed Street, at Harvey Street, on hydrant ....                | 5          | 6              |          |                |                |
| Rindge Avenue, extension from west of Clifton<br>Street ..... | 675        | 6              |          |                |                |
| Rindge Avenue, at Clifton Street, on hydrant                  | 7          | 6              |          |                |                |
| Second Street, at Thorndike Street, hydrant ..                |            |                | 8½       | 6              |                |
| Smith Place, from Concord Avenue .....                        | 481        | 4              |          |                |                |
| Smith Place, at Concord Avenue .....                          |            |                |          |                | 4              |
| Smith Place (blow-off) .....                                  | 3          | 1½             |          |                |                |
| Tannery Street (meter) .....                                  | 2          | 6              |          |                |                |
| Tannery Street, at Mass. Avenue, north.....                   |            |                |          |                | 6              |
| Trowbridge Street, from Cambridge St., north                  |            |                | 544      | 6              |                |
| Tuttle Street, on hydrant .....                               |            |                | 5        | 6              |                |
| Vassar Street, from Amesbury Street to Chest-<br>nut .....    | 208½       | 12             |          |                |                |

MAIN PIPE EXTENSIONS AND RENEWALS MADE DURING YEAR—Concluded

|  | EXTENSIONS |        | RENEWALS |        | GATES  |
|--|------------|--------|----------|--------|--------|
|  | Feet       | Size   | Feet     | Size   | Size   |
|  |            | Inch's |          | Inch's | Inch's |
| Vassar Street, at Amesbury Street, west .....                |            |        |          |        | 12     |
| Walker Street, near Linnean Street, on hydrant               |            |        | 6½       | 6      |        |
| Washburn Avenue, extension to Somerville line                | 158        | 6      |          |        |        |
| Washburn Avenue, on hydrant .....                            | 5          | 6      |          |        |        |
| Waverly Street, from Chestnut Street to Putnam Avenue .....  | 307        | 16     |          |        |        |
| Waverly Street, at Chestnut Street .....                     | 37         | 12     |          |        |        |
| Waverly Street, at Putnam Avenue, south ....                 |            |        |          |        | 16     |
| Western Avenue, from Franklin Street .....                   | 130        | 2      |          |        |        |
| Yerxa Road, from Van Norden Street to Pemberton Street ..... | 231        | 6      |          |        |        |
| Yerxa Road, at Pemberton Street .....                        |            |        |          |        | 6      |

SUPPLIES

Total number of supplies laid to date is sixteen thousand three hundred ninety-five (16,395).

Tables of new and renewed supplies will be found on page 530.

During this year eight hundred ninety-three (893) supplies have been laid as follows:

201 as new supplies in new locations.

663 were renewed on application and to repair leakage.

29 were renewed in streets where main pipes were renewed.

Eight hundred sixty-eight (868) supplies were laid of lead-lined pipe.

Two (2) supplies were of galvanized pipe and twenty-three (23) were of cast-iron pipe.

Four hundred seventy-one (471) supplies have been cleaned.

Eighty-one old supplies have been furnished with sidewalk shut-off boxes.

The twenty-three (23) large supplies, laid as new connections, of cast-iron pipe, were located as follows:

- x Allen & Endicott Building Company.Main Street .....6-in.
- x Allen & Endicott Building Company.Osborn Street .....6-in.
- x B. K. Baker, Jr.....Osborn Street .....6-in.
- J. S. Bell Confectionery Company...Sixth Street .....4-in.
- x Car Factory Trust.....Amherst Street .....6-in.



|   |                            |       |
|---|----------------------------|-------|
| x F. H. Davis .....                           | 175 Richdale Ave.....      | 6-in. |
| x Dyar Supply Company.....                    | Broadway .....             | 6-in. |
| x Ford Motor Company.....                     | Brookline Street .....     | 6-in. |
| Gray & Davis, Inc.....                        | Amesbury Street .....      | 4-in. |
| x Gray & Davis, Inc.....                      | Amesbury Street .....      | 8-in. |
| x C. F. Hathaway & Sons.....                  | Richdale Ave. ....         | 4-in. |
| Institute of Technology.....                  | Massachusetts Avenue ..... | 4-in. |
| x Riverside Boiler Works (Willard).....       | 493 Main Street.....       | 6-in. |
| x Russell & Company.....                      | Norfolk Street .....       | 6-in. |
| Rydberg & Elfstrom.....                       | 575 Cambridge Street.....  | 4-in. |
| x University Press .....                      | University Road .....      | 6-in. |
| and seven (7) supplies for Harvard University |                            |       |
| In Yard .....                                 | "Widener Library" .....    | 4-in. |
| In Yard .....                                 | "Fogg Museum" .....        | 4-in. |
| Boylston Street .....                         | "Smith Hall" .....         | 4-in. |
| x Divinity Avenue .....                       | "University Museum" .....  | 6-in. |
| Dunster Street .....                          | "Standish Hall" .....      | 4-in. |
| Mill Street .....                             | "Gore Hall" .....          | 4-in. |
| x Oxford Street .....                         | "University Museum" .....  | 6-in. |

x This supply was equipped with a detector meter when laid.

Following is the list of manufactories, etc., which are supplied with pipes for fire protection. They are not metered, excepting where specified, but will be as soon as the work can be done.

|                                       |                                  |        |
|---------------------------------------|----------------------------------|--------|
| Alberti Box Co.....                   | Osborn Street .....              | 6-in.  |
| Allen & Endicott Building Co.....     | Osborn Street .....              | 6-in.  |
| American Rubber Co.....               | Binney Street .....              | 6-in.  |
| American Rubber Co.....               | Potter Street .....              | 6-in.  |
| American Circular Loom Co.....        | Clarendon Avenue .....           | 6-in.  |
| American Circular Loom Co.....        | Tannery Street (metered).....    | 2-in.  |
| American Linseed Co.....              | Fifth Street .....               | 6-in.  |
| American Net & Twine Co.....          | Third Street .....               | 6-in.  |
| American Net & Twine Co.....          | Second Street .....              | 6-in.  |
| Ashton Valve Co.....                  | First Street .....               | 6-in.  |
| Associated Trust .....                | 888 Mass. Ave.....               | 2-in.  |
| Barber Asphalt Paving Co.....         | First Street .....               | 6-in.  |
| Bell Confectionery Co., J. S.....     | Sixth Street .....               | 6-in.  |
| Blacker & Shepard Co.....             | Osborn Street (metered).....     | 1½-in. |
| Blake & Knowles Steam Pump Works..... | Binney Street .....              | 8-in.  |
| Blake & Knowles Steam Pump Works..... | Binney Street .....              | 6-in.  |
| Blake & Knowles Steam Pump Works..... | Third Street .....               | 4-in.  |
| Blanchard Machine Co.....             | State Street .....               | 6-in.  |
| Boston Book Binding Co.....           | Mt. Auburn Street.....           | 6-in.  |
| Boston Book Binding Co.....           | Mt. Auburn Street (metered)..... | 4-in.  |
| Boston Confectionery Co.....          | Main Street .....                | 6-in.  |
| Boston Confectionery Co.....          | State Street .....               | 6-in.  |
| Boston Elevated Railway Co.....       | Bennett Street .....             | 4-in.  |
| Boston Elevated Railway Co.....       | Baldwin Street .....             | 4-in.  |
| Boston Elevated Railway Co.....       | Massachusetts Ave. ....          | 4-in.  |
| Boston Elevated Railway Co.....       | Mt. Auburn Street.....           | 4-in.  |
| Boston Elevated Railway Co.....       | Mt. Auburn Street.....           | 2-in.  |
| Boston Elevated Railway Co.....       | Murray Street .....              | 4-in.  |
| Boston Elevated Railway Co.....       | Murray Street .....              | 6-in.  |
| Boston Elevated Railway Co.....       | River Street .....               | 4-in.  |
| Boston Elevated Railway Co.....       | University Road .....            | 8-in.  |
| Boston & Maine Railroad.....          | Bridge Street .....              | 6-in.  |

|                                      |   |           |
|--------------------------------------|---|-----------|
| Boston & Maine Railroad.....         | East Street .....   | 6-in.     |
| Boston & Maine Railroad.....         | In Yard—Four Cambridge hydrants<br>for Cambridge engines. |           |
| Burke, Thomas F.....                 | 881 Mass. Ave. (metered).....                             | 2-in.     |
| Cambridge Electric Light Co.....     | Western Avenue .....                                      | 6-in.     |
| Cambridge Factory Trust Co.....      | Winsor, cor. Mass. Ave.....                               | 6-in.     |
| Cambridge Gas Light Co.....          | Third Street .....  | 6-in.     |
| Cambridge Gas Light Co.....          | Second Street .....                                       | 6-in.     |
| Cambridge Mutual Fire Insurance Co.  | Mass. Ave. (metered).....                                 | 2-in.     |
| Carter Ink Co.....                   | First Street (metered).....                               | 4-in.     |
| Carter Ink Co.....                   | Athenaeum Street .....                                    | 6-in.     |
| Climax Paper Box Co.....             | Cottage Park Avenue.....                                  | 4-in.     |
| Close Co., George.....               | Broadway .....  | 6-in.     |
| Columbia Jewelry Co.....             | Camp Street .....   | 6-in.     |
| Commonwealth Custom Laundry.....     | 348 Franklin Street (metered).                            | 4-in.     |
| Davenport, A. H.....                 | Cambridge Street .....                                    | 6-in.     |
| Davenport, A. H.....                 | Otis Street .....   | 6-in.     |
| Dodge Motor Vehicle Co.....          | Landsdowne Street .....                                   | 6-in.     |
| Dover Stamping & Manufacturing Co.   | Pleasant Street .....                                     | 6-in.     |
| Dow, John C. Co.....                 | 220 Portland Street (metered).                            | 2-in.     |
| E. & R. Laundry Co.....              | Massachusetts Avenue .....                                | 6-in.     |
| Elliot Addressing Machine Co.....    | Ames Street .....   | 6-in.     |
| Eustis, J. P. Manufacturing Co.....  | Ames Street .....   | 6-in.     |
| Furbish, Fred B.....                 | 41 Church Street.....                                     | 4-in.     |
| Ginn & Co.....                       | First Street .....  | 6-in.     |
| Ginn & Co.....                       | Athenaeum Street .....                                    | Two 6-in. |
| Goepper Brothers .....               | Ninth Street (metered).....                               | 1½-in.    |
| Gray, Peter & Sons .....             | Third Street .....  | 6-in.     |
| Harvard University .....             | Austin Hall .....   | 6-in.     |
| Harvard University .....             | Harvard Union .....                                       | 4-in.     |
| Harvard University .....             | Jefferson Phys. Laboratory....                            | 6-in.     |
| Harvard University .....             | Langdell Hall .....                                       | 4-in.     |
| Harvard University .....             | Memorial Hall (metered)..                                 | Two 4-in. |
| Harvard University .....             | Observatory .....   | 6-in.     |
| Harvard University .....             | Semitic Museum .....                                      | 4-in.     |
| Hasty Pudding Club.....              | Holyoke Street .....                                      | 4-in.     |
| Hews Co., A. H.....                  | Crescent Avenue .....                                     | Two 4-in. |
| Holy Ghost Hospital for Incurables.. | Cambridge Street .....                                    | 3-in.     |
| Houghton, Mifflin & Co.....          | Albro and Blackstone Sts.....                             | 6-in.     |
| Houghton, Mifflin & Co.....          | River Street .....  | 6-in.     |
| Irving & Casson.....                 | Otis Street .....   | 6-in.     |
| Irving & Casson.....                 | Thorndike Street .....                                    | Two 6-in. |
| Irving & Casson.....                 | Thorndike Street (metered)...                             | 2-in.     |
| Ivers & Pond Piano Co.....           | Albany Street .....                                       | 4-in.     |
| Ivers & Pond Piano Co.....           | Main Street .....   | 6-in.     |
| Kendall & Sons, Edward.....          | Main Street (metered).....                                | 2-in.     |
| Ladd & Barker.....                   | Landsdowne Street .....                                   | 6-in.     |
| Lamb & Ritchie.....                  | Albany Street .....                                       | 6-in.     |
| Lever Brothers, Ltd.—Boston Works.   | Harvard Street .....                                      | 8-in.     |
| Lever Brothers, Ltd.—Boston Works.   | Broadway .....  | 6-in.     |
| Lever Brothers, Ltd.—Boston Works.   | Broadway .....  | 8-in.     |
| Little, Brown & Co.....              | Putnam Avenue .....                                       | 6-in.     |
| Luke, E. H., Estate of.....          | Main Street (metered).....                                | 2-in.     |
| Main Street Trust.....               | Amherst Street .....                                      | 6-in.     |
| Main Street Trust.....               | Amherst Street .....                                      | 6-in.     |
| Masonic Temple .....                 | Massachusetts Avenue .....                                | 4-in.     |
| Mason & Hamlin Co.....               | Broadway .....  | Two 6-in. |
| McLean, Isaac .....                  | Mt. Auburn Street (metered)..                             | 4-in.     |
| McLean, Isaac .....                  | Massachusetts Avenue .....                                | 4-in.     |



|                                    |                           |           |
|------------------------------------|---------------------------|-----------|
| Metropolitan Storage Warehouse Co. | Massachusetts Avenue      | 6-in.     |
| Middlesex Co., House of Correction | Second and Spring Streets | 6-in.     |
| Monk's Laundry                     | Norfolk Street            | 6-in.     |
| National Biscuit Co.               | Franklin Street           | 4-in.     |
| National Biscuit Co.               | Franklin Street           | 6-in.     |
| National Biscuit Co.               | Green Street              | 8-in.     |
| National Casket Co.                | First Street              | 6-in.     |
| Nichols, Annie W. H.               | Ames Street               | 6-in.     |
| North Packing & Provision Co.      | Winsor Street             | 6-in.     |
| O'Brien, Rev. John                 | Seventh Street            | 4-in.     |
| Page Box Co., George G.            | Hampshire Street          | Two 6-in. |
| Payne, F. S. & Co.                 | Richdale Avenue           | 6-in.     |
| Peabody, Francis, Jr., et al.      | Claverley Hall            | 4-in.     |
| Petterson, Oscar G.                | 183 Main Street           | 4-in.     |
| Pierce—Tr. of the Estate of Thomas | Broadway                  | 6-in.     |
| Pi Eta Club                        | Winthrop Square           | 2-in.     |
| Poole Piano Co.                    | Sidney Street             | 8-in.     |
| Porter, Henry S.                   | Kinnaird Street (metered) | 4-in.     |
| Porter, Henry S.                   | Kinnaird Street           | 6-in.     |
| Reardon & Sons Corporation, John   | Waverly Street (metered)  | 4-in.     |
| Revere Sugar Refinery              | Water Street              | 6-in.     |
| Reversible Collar Co.              | Putnam Avenue             | 6-in.     |
| Riverside Boiler Works             | Harvard Street            | 4-in.     |
| Ross, William F., Co.              | 201 Bridge Street         | 6-in.     |
| Russell, Estate of Joseph G.       | Albany & Pacific Streets  | 6-in.     |
| Russell, Lucy J.                   | 29 Elm Street (metered)   | 1½-in.    |
| Sawyer & Son, Howard M.            | Thorndike Street          | 4-in.     |
| Sawyer & Son, Howard M.            | Spring Street             | 6-in.     |
| Sawyer & Son, Howard M.            | Second Street             | 6-in.     |
| Seelye Manufacturing Co.           | First Street              | 4-in.     |
| Sherburne, Estate of Reuben        | Third Street              | 6-in.     |
| Simplex Electrical Co.             | Auburn Street             | 8-in.     |
| Simplex Electrical Co.             | Franklin Street           | 6-in.     |
| Simplex Electrical Co.             | Pilgrim Street            | 4-in.     |
| Speare's Sons & Co., Alden         | Binney Street             | 4-in.     |
| Squires' J. P., Co.                | Gore Street               | 8-in.     |
| Standard Oil Co.                   | Potter Street             | 6-in.     |
| Standard Turning Works             | Main Street               | 4-in.     |
| Swan, Daniel A.                    | 61 Broadway (metered)     | 2-in.     |
| Thairwell, William                 | Tudor Street              | 4-in.     |
| Thayer & Co., Henry                | Broadway                  | 6-in.     |
| Thompson Box Co.                   | Hampshire Street          | 6-in.     |
| Thompson Box Co.                   | Hampshire Street          | 4-in.     |
| Thorndike School                   | Spring Street             | 4-in.     |
| Tower & Son, Sylvester             | Broadway                  | 4-in.     |
| University Associates              | Bow Street, Garage        | 6-in.     |
| University Associates              | Linden Street             | 4-in.     |
| University Associates              | Massachusetts Avenue      | 6-in.     |
| University Associates              | Massachusetts Avenue      | 4-in.     |
| Ward, Corby Co.                    | Albany Street             | 6-in.     |
| Ward, Corby Co.                    | Albany Street             | 4-in.     |
| Warren Brothers & Co.              | Potter Street             | 6-in.     |
| Whittemore Brothers & Co.          | Albany Street             | 4-in.     |
| Youngman, William S.               | Amherst Street            | 6-in.     |

NOTE—Alden Speare's Sons & Company four-inch (4-in.) fire supply has been reduced to a one-inch (1-in.) supply and will now be used for manufacturing purposes.



SUPPLIES LAID DURING PAST ELEVEN YEARS.

| YEAR        | New Supplies | SUPPLIES RENEWED        |                             |                        | Total Supplies Laid | Supplies furnished with sidewalk service boxes - |
|-------------|--------------|-------------------------|-----------------------------|------------------------|---------------------|--|
|             |              | Application and Leakage | Attending Main Pipe Renewal | Total Supplies Renewed |                     |  |
| 1902.....   | 161          | 110                     | 167                         | 277                    | 438                 | 51   |
| 1903.....   | 123          | 174                     | 163                         | 337                    | 460                 | 42   |
| 1904.....   | 111          | 190                     | 87                          | 277                    | 388                 | 39   |
| 1905.....   | 130          | 176                     | 117                         | 293                    | 423                 | 177  |
| 1906.....   | 129          | 230                     | 15                          | 245                    | 374                 | 113  |
| 1907....    | 135          | 197                     | 18                          | 215                    | 350                 | 19   |
| *1908.....  | 110          | 267                     | 24                          | 291                    | 401                 | 116  |
| †1909.....  | 29           | 28                      | ....                        | 28                     | 57                  | 12   |
| ‡1910.....  | 156          | 332                     | 56                          | 388                    | 544                 | 144  |
| ‡1911.....  | 184          | 352                     | 79                          | 431                    | 615                 | 131  |
| ‡1912.....  | 229          | 403                     | 37                          | 440                    | 669                 | 202  |
| ‡1913. .... | 289          | 485                     | 56                          | 541                    | 830                 | 55   |
| ‡1914.....  | 201          | 663                     | 29                          | 692                    | 893                 | 81   |

\* For year ending November 30, 1908.  
† For four months ending March 31, 1909.  
‡ For year ending March 31.

ICE WATER DRINKING FOUNTAIN

The Cost of Furnishing Fountains with Ice during the Summer Months for the Past Ten Years.

| Year       | LOCATION        |                                  |                |                |                         |                           |              | COST                |                                   |
|------------|-----------------|----------------------------------|----------------|----------------|-------------------------|---------------------------|--------------|---------------------|-----------------------------------|
|            | Cambridge Field | Cambridge Street at Third Street | Central Square | Harvard Square | Mass. Ave. at Blake St. | Mass. Ave. at Cameron St. | Rindge Field | Total Cost per Year | Average Cost per Day per Fountain |
| 1904.....  | .....           | \$145.50                         | \$112.50       | \$105.60       | \$96.75                 | .....                     | .....        | \$460.35            | \$1.20                            |
| 1905.....  | .....           | 125.55                           | 129.90         | 103.43         | 155.30                  | .....                     | .....        | 514.18              | .94                               |
| *1906..... | .....           | 180.95                           | 175.35         | 166.69         | 157.25                  | \$115.40                  | .....        | 795.64              | 1.57                              |
| 1907.....  | \$102.37        | 110.50                           | 127.13         | 110.50         | 102.74                  | 102.25                    | .....        | 655.49              | 1.09                              |
| 1908....   | 89.49           | 127.00                           | 134.38         | 127.87         | 111.50                  | 115.75                    | .....        | 705.99              | 1.04                              |
| 1909.....  | 121.05          | 185.68                           | 124.50         | 122.70         | 141.60                  | 127.95                    | .....        | 823.48              | 1.15                              |
| 1910.....  | 134.10          | 149.70                           | .....          | 134.55         | 140.25                  | 154.05                    | .....        | 712.65              | 1.24                              |
| 1911.....  | 123.60          | 167.65                           | .....          | 127.20         | 146.70                  | 169.05                    | .....        | 734.20              | 1.34                              |
| 1912.....  | 120.30          | 134.85                           | 108.15         | 120.75         | 139.95                  | 165.00                    | \$129.75     | 918.75              | 1.25                              |
| §1913..... | 135.82          | 174.19                           | 175.22         | 138.02         | 119.22                  | 116.33                    | 112.01       | 970.81              | .97                               |

\* Prices in 1906 were twenty-five (25) cents and forty (40) cents per one hundred pounds; in other years, twelve and one-half (12½) cents and fifteen (15) cents per one hundred pounds.  
§ Again, in 1913, the price of ice was twenty-five (25) cents per one hundred pounds.

One ice water drinking fountain will be added to our number at once. It has been purchased and will be located in Lafayette Square.  
The troughs and other drinking fountains have been inspected from time to time as required. Three have been repaired.

## STREET WATERING STANDPIPES

There has been no addition to the number of street watering standpipes during the year; the total number in use is seventy-three (73).

Four (4) supplies for standpipes have been renewed, and one (1) standpipe has been relocated.

The Street Department has paid the expense of the repairs that have been made by this department as in previous years.

## GATES

Sixty-two (62) gates have been set during the year.

Thirty-six (36) have been set on main pipe extensions and renewals.

Twenty-three (23) have been set on new supplies.

Three (3) have been set to replace defective ones.

## BOXES

One hundred thirty-six (136) boxes have been placed on gates, meters, etc., during the year as follows:

Forty-three (43) iron boxes on new supplies.

Twenty-seven (27) iron boxes on new mains, extensions and renewals.

Twenty-two (22) iron boxes to replace old boxes removed.

Twelve (12) wooden boxes on meters.

Twenty-two (22) concrete boxes on meters.

One (1) Merrill box on meter.

Four (4) small wooden boxes on blow-offs (boxes removed).

Five (5) small wooden boxes on blow-offs (extensions).

Sixteen (16) brick chambers have been built around the "Detector" meters that were set this year.

## HYDRANTS

The specifications for the hydrants of Cambridge to within a few years have always called for three-inch (3") hose connections so that many of our old hydrants have this size opening. In later years the specifications were changed so that the hydrants now furnished have two and one-half-inch (2½") openings, thus conforming to the uni-

form opening as installed by our surrounding cities and towns, and as adopted by Fire Departments and Board of Underwriters.

In order to equip the hydrants in use previous to this change, and conforming with the instructions of the Water Board, each hydrant made with the three-inch (3") hose connection is being furnished with the three-inch (3") by two and one-half (2½"), reducing connections as fast as it is possible to obtain the fittings and perform the work.

Already we have received about four hundred (400) fittings.

The annual inspection of hydrants in all parts of the city has been made, as it is necessary to keep thoroughly informed as to their condition.

Fifty-three (53) hydrants have been set during the year.

Twenty-nine (29) to replace old hydrants removed.

Twenty-four (24) in new locations.

Thirty (30) hydrants have been removed.

Twenty-four (24) flush.

Two (2) Chapman.

Two (2) Coffin.

One (1) Holyoke.

One (1) Boston.

The new hydrants set were of the following manufacture:

Thirty-two (32) Kennedy.

Sixteen (16) Holyoke.

Four (4) Chapman.

One (1) Coffin.

Total number of hydrants in use March 31, 1914:

|               |       |
|---------------|-------|
| Boston .....  | 148   |
| Chapman ..... | 599   |
| Coffin .....  | 41    |
| Corey .....   | 33    |
| Flush .....   | 40    |
| Holyoke ..... | 165   |
| Kennedy ..... | 32    |
| Perkins ..... | 90    |
|               | <hr/> |
|               | 1148  |

Fifteen (15) hydrants have been repaired and eight (8) re-located.



## HYDRANTS

Removals—and installation of new hydrants during year ending March 31, 1914

|   | Set     | Removed |
|---|---------|---------|
| Antrim Street, 2½ feet from Broadway.....                         | Holyoke | Flush   |
| Aberdeen Avenue, 10 feet from Huron Avenue.....                   | Kennedy | .....   |
| Bradbury Street, at Angle.....                                    | Coffin  | Flush   |
| Baldwin Street, at Emmons Place.....                              | .....   | Flush   |
| Binney Street, 194 feet east from Third Street.....               | Kennedy | .....   |
| Binney Street, 463 feet east from Third Street.....               | Kennedy | .....   |
| Binney Street, 157 feet east from Second Street.....              | Kennedy | .....   |
| Binney Street, 11 feet west from Fifth Street.....                | Holyoke | Coffin  |
| Brattle Square, northeast side.....                               | Kennedy | Coffin  |
| Brookline Street, 120 feet from Charles River Road.....           | Kennedy | .....   |
| Buckingham Street, 4 feet from Healey Street.....                 | Kennedy | Flush   |
| Central Square, at Holmes' (4 way).....                           | Chapman | .....   |
| Central Square, near Raymond's.....                               | Kennedy | .....   |
| Charles River Road, 7 feet west from Amesbury St.....             | Chapman | .....   |
| Charles River Road, 503 feet west from Amesbury Street.....       | Chapman | .....   |
| Charles River Road, 245 feet west from Fowler Street.....         | Holyoke | .....   |
| Concord Avenue, corner Parker Street.....                         | Kennedy | Flush   |
| Cogswell Avenue, 5 feet from Mead Street.....                     | Kennedy | Flush   |
| Ellery Street, 215 feet northeast from Mass. Avenue.....          | Kennedy | .....   |
| Emily Street, 212 feet from Sidney Street.....                    | Holyoke | .....   |
| Fayette Street, 15 feet from Broadway.....                        | Holyoke | Flush   |
| Fairfield Street, 305 feet from Rindge Avenue.....                | Kennedy | .....   |
| Fresh Pond Avenue, 450 feet from Larch Road.....                  | Holyoke | .....   |
| Fresh Pond Parkway, 15 feet from Huron Avenue.....                | Kennedy | .....   |
| Fresh Pond Parkway, 723 feet from Huron Avenue.....               | Kennedy | .....   |
| Green Street, at Western Avenue.....                              | Kennedy | Boston  |
| Highland Avenue, corner Broadway.....                             | Kennedy | Flush   |
| Highland Avenue, corner Highland Park .....                       | Kennedy | .....   |
| Huron Ave., between Aberdeen Ave. and Fresh Pond Parkway..        | Kennedy | .....   |
| Huron Avenue, 4 feet from Raymond Street.....                     | Kennedy | Flush   |
| Inman Street, at Harvard Street.....                              | Holyoke | Flush   |
| Inman Street, 4 feet from Broadway.....                           | Holyoke | Flush   |
| Magazine Street, between Fairmont and Prince Streets.....         | Holyoke | Flush   |
| Massachusetts Avenue, 137 feet southeast from Magoun Street..     | Kennedy | Flush   |
| Massachusetts Avenue, 42 feet southeast from Newman Street..      | Chapman | .....   |
| Massachusetts Avenue, opposite Pleasant Street.....               | .....   | Flush   |
| Massachusetts Avenue, 33 feet northeast from railroad crossing..  | Kennedy | .....   |
| Mass. Ave., opposite Tannery St., 113 feet from Brookford Street. | Kennedy | Flush   |
| Mt. Auburn Street, 134 feet west from Aberdeen Avenue.....        | Holyoke | .....   |
| Mt. Auburn Street.....  | Holyoke | .....   |
| Oxford Street, 3 feet from Mellen Street.....                     | Kennedy | Flush   |
| Oxford Street, corner Sacramento Street.....                      | Kennedy | Flush   |
| Pemberton Street, corner Groveland Street.....                    | Holyoke | .....   |
| Pemberton Street, opposite Yerxa Road.....                        | Holyoke | .....   |
| Purrlington Street .....  | .....   | Holyoke |
| Reed Street, 260 feet from Harvey Street.....                     | Kennedy | Flush   |
| Rindge Avenue, 300 feet from Blow-off.....                        | Holyoke | .....   |
| Rindge Avenue, at Chilton.....                                    | Kennedy | Flush   |
| Second Street, corner of Thorndike Street.....                    | Kennedy | Flush   |
| Seven Pines Avenue.....   | Kennedy | Chapman |
| Sixth Street, 162 feet northeast from Broadway .....              | Kennedy | Chapman |
| Third Street, corner Potter Street.....                           | Kennedy | Flush   |
| Tuttle Street, between Huron Avenue and Donnell Street.....       | Kennedy | Flush   |
| Trowbridge Street, 6 feet from Cambridge Street.....              | Holyoke | Flush   |
| Walker Street, 7 feet from Linnaean Street.....                   | Kennedy | Flush   |
| Washburn Avenue, near angle .....                                 | Holyoke | .....   |

METERS

There are fifty-three hundred fifteen (5315) meters set on supplies covering dwellings, manufactories, churches, etc., from which the department receives an income.

All of these meters, with the exception of the "Hersey Detector," are owned by the department and set at its expense.

|                       | 8<br>Inch | 6<br>Inch | 4<br>Inch | 3<br>Inch | 2<br>Inch | 1½<br>Inch | 1¼<br>Inch | 1<br>Inch | ¾<br>Inch | ⅝<br>Inch | Total |
|-----------------------|-----------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-------|
| Buffalo.....          |           |           |           |           |           |            |            |           |           | 1         | 1     |
| Crest.....            |           |           | 3         | 5         | 13        | 10         |            |           |           |           | 31    |
| Crown.....            |           |           | 1         |           | 4         | 3          |            | 1         | 8         | 5         | 22    |
| Empire.....           |           |           |           |           | 5         |            |            | 2         |           |           | 7     |
| Hersey.....           |           | 1         | 1         | 4         | 40        | 17         |            | 110       | 275       | 694       | 1142  |
| Hersey Detectors..... | 1         | 18        | 4         |           |           |            |            |           |           |           | 23    |
| Keystone.....         |           |           |           |           |           |            |            | 34        | 110       | 354       | 498   |
| Lambert.....          |           |           |           |           |           |            |            | 5         | 27        | 99        | 131   |
| Nash.....             |           |           |           |           |           |            |            |           | 13        | 1         | 14    |
| Thomson ..            |           |           |           |           |           | 1          |            |           | 4         | 1         | 6     |
| Torrent.....          |           |           |           |           | 5         |            |            |           | 2         |           | 7     |
| Trident .....         |           |           |           | 3         | 6         | 10         |            | 102       | 238       | 454       | 813   |
| Union Rotary.....     |           |           | 9         | 6         | 13        | 12         |            | 1         | 9         | 6         | 56    |
| Watch Dog.....        |           |           |           |           |           |            |            |           |           | 2         | 2     |
| Worthington.....      |           | 1         |           | 8         | 40        | 51         | 44         | 125       | 480       | 1813      | 2562  |
|                       | 1         | 20        | 18        | 26        | 126       | 104        | 44         | 380       | 1166      | 3430      | 5315  |

Three hundred seventeen (317) meters have been set during the year.

|                       | 8 | 6  | 4 | 3 | 2  | 1½ | 1¼ | 1  | ¾  | ⅝   | Total |
|-----------------------|---|----|---|---|----|----|----|----|----|-----|-------|
| American Buffalo..... |   |    |   |   |    |    |    |    | 1  |     | 1     |
| Crest.....            |   |    |   |   |    | 1  |    |    |    |     | 1     |
| Hersey.....           |   |    |   |   | 1  | 1  | 8  |    | 18 | 7   | 35    |
| Hersey Detector.....  | 1 | 18 | 4 |   |    |    |    |    |    |     | 23    |
| Keystone.....         |   |    |   |   |    |    |    | 1  |    | 1   | 2     |
| Lambert.....          |   |    |   |   |    |    |    |    |    | 2   | 2     |
| Nash.....             |   |    |   |   |    |    |    |    | 3  | 1   | 4     |
| Torrent.....          |   |    |   |   | 1  |    |    |    |    |     | 1     |
| Trident.....          |   |    |   |   |    |    |    | 4  | 5  | 14  | 23    |
| Union Rotary.....     |   |    | 1 |   |    |    |    |    |    |     | 1     |
| Worthington.....      |   | 1  | 1 | 3 | 11 | 10 | 8  | 15 | 48 | 127 | 224   |
|                       | 1 | 19 | 6 | 3 | 13 | 12 | 16 | 20 | 75 | 152 | 317   |

At date, there are sixty-one (61) meters located on public property. See table following.

During the past year there were nineteen (19) meters set on public buildings and buildings owned by the department. These meters are owned by the department, which receives no income from them.



They are set to determine more accurately the amount of water used for city purposes.

During the coming year I would recommend that the balance of the unmeasured supplies of this kind be covered by meters.

|                   | 6<br>Inch | 4<br>Inch | 3<br>Inch | 2<br>Inch | 1½<br>Inch | 1¼<br>Inch | 1<br>Inch | ¾<br>Inch | ⅝<br>Inch | Total |
|-------------------|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|-----------|-------|
| Crown.....        |           |           |           | 1         | 1          |            | 2         | 1         | 1         | 6     |
| Hersey.....       |           |           |           |           |            |            | 8         | 4         |           | 12    |
| Keystone.....     |           |           |           |           |            |            | 1         |           |           | 1     |
| Thomson .....     |           |           |           |           | 1          |            |           |           |           | 1     |
| Torrent.....      |           |           |           | 2         |            |            |           |           |           | 2     |
| Trident.....      |           |           |           |           |            |            | 8         |           | 5         | 13    |
| Union Rotary..... |           |           |           |           | 1          |            |           |           |           | 1     |
| Worthington.....  | 1         | 1         | 1         | 2         | 6          | 1          | 7         | 2         | 4         | 25    |
|                   | 1         | 1         | 1         | 5         | 9          | 1          | 26        | 7         | 10        | 61    |

DETECTOR METERS

Complying with the Water Board’s instructions, we have this year commenced to place meters on our fire supplies.

As the Hersey meter is at present the only one that is acceptable to the Fire Underwriters, we have placed twenty-three (23) of the Hersey Manufacturing Company’s model “F. M.” on fourteen (14) new and nine (9) old supplies, as follows:

|  |                      |
|--|----------------------|
| Allen & Endicott Building Company, Main Street.....  | 6 inch on new supply |
| Allen & Endicott Building Company, Osborn Street...  | 6 inch on new supply |
| Berkshire Factory Trust, Ames Street.....            | 6 inch on old supply |
| Browning K. Baker, Osborn Street (premises).....     | 6 inch on new supply |
| Boston Woven Hose & Rubber Co., Hampshire Street..   | 6 inch on old supply |
| Boston Woven Hose & Rubber Co., Portland Street....  | 6 inch on old supply |
| Cambridge Paper Box Company, Broadway.....           | 6 inch on old supply |
| Car Factory Trust, Amherst Street (premises).....    | 6 inch on new supply |
| F. H. Davis, 175 Richdale Avenue.....                | 6 inch on new supply |
| Dyar Supply Company, Broadway.....                   | 4 inch on new supply |
| Ford Motor Company, Brookline Street (premises)...   | 6 inch on new supply |
| Gray & Davis, Inc., Amesbury Street (premises).....  | 8 inch on new supply |
| C. F. Hathaway & Sons, Richdale Avenue.....          | 4 inch on new supply |
| C. F. Hathaway & Sons, Richdale Avenue.....          | 4 inch on old supply |
| Harvard University, Divinity Avenue (premises).....  | 6 inch on new supply |
| Harvard University, Oxford Street (premises).....    | 6 inch on new supply |
| Riverside Boiler Works, 493 Main Street (premises).. | 6 inch on new supply |
| Russell & Company, Norfolk Street.....               | 6 inch on new supply |
| Standard Oil Company, Sixth Street.....              | 4 inch on old supply |
| Sterling Knit Goods Company, Stiles Street.....      | 6 inch on old supply |
| University Press, Nutting Place.....                 | 6 inch on old supply |
| University Press, University Road.....               | 6 inch on new supply |
| Ward-Corby Company, Albany Street.....               | 6 inch on old supply |



## FRESH POND RESERVOIR

The average height of the pond for the year has been 16.20, or 1.09 feet higher than last year.

The fence around the reservoir has been painted.

The usual amount of work for the prevention of the destruction of the trees by moths has been done.

The investigation by the diver employed to examine the pond for a bundle which was reported to have been thrown into it, resulted in the report that the condition of the bottom of the pond was most satisfactory, sandy and clean, without foreign matter.

A new boat was purchased this year.

Fishing permits were issued for morning and afternoon, during the season from May 1st to November 1st.

All the standing grass not needed by the department has been sold at auction.

## TUNNELS UNDER BROAD CANAL

These tunnels have given no trouble during the past year.

Complying with the recommendation of my predecessor, I caused these tunnels to be pumped out, in May 1913, and inspected. Their condition was found satisfactory for the present.

## STONY BROOK CONDUIT

No repairs have been necessary during the year.

Referring to our former Superintendent's report of 1912, I think it would be wise to follow his advice in regard to fencing a portion of this right of way during this coming year.

## STONY BROOK RESERVOIR

The water in this basin reached its lowest grade on July 20, 1913—at elevation 67.18, or 13.8 feet below high water mark.

From December 12, 1912, to July 20, 1913, the gate in the upper reservoir (Hobbs Brook) being closed, all water drawn into Fresh Pond Reservoir was supplied from Stony Brook Reservoir.

On October 20, 1913, the gate was again closed, and since that date we have been drawing water only from Stony Brook Reservoir.

The highest elevation reading of gauge was on March 4, 1914—i. e., 82.64, which represents an overflow of 180,300,000 gallons, daily.

One cesspool, on the Clark estate, has been built during this year.

The total number of cesspools at date is thirty-five (35). The number of vaults remain the same—i. e., eighteen (18).

In cleaning the cesspools and vaults twelve hundred eleven (1211) loads and sixty-seven (67) barrels of material have been removed.

The gypsy and other moths have made such devastation of the trees around this basin that after a consultation with the State Forester in regard to the reforestization of this territory, it was decided to employ a number of men to cut down all the damaged trees, as well as those susceptible to moth destruction, and to replant the whole of this locality with trees of a kind that are able to repel the attacks of these most destructive pests.

This year about one-quarter of the area has been treated, and the results are especially satisfactory.

I recommend that another portion be improved this coming fall, beginning at an earlier date than this year, which was perhaps delayed.

The mason work at the gate house should be pointed this season, and some painting should be done, besides some repairs on the house and barn.

The excavating wagon which has been in use since 1901 should be replaced by a more modern apparatus and I recommend that an outfit be purchased with motor power and attachment for pumping, with the body and chassis constructed for easy dumping of material.

STONY BROOK OVERFLOW

|                                       | Gallons       | No. of Days | Rainfall |
|---------------------------------------|---------------|-------------|----------|
| 1913                                  |               |             |          |
| April .....                           | 809,000,000   | 30          | 4.24     |
| May .....                             | 321,100,000   | 19          | 4.11     |
| June .....                            | 55,000,000    | 6           | .87      |
| July .....                            | .....         | .....       | 3.05     |
| August .....                          | .....         | .....       | 4.12     |
| September .....                       | .....         | .....       | 3.72     |
| October .....                         | .....         | .....       | 5.98     |
| November .....                        | .....         | .....       | 2.31     |
| December .....                        | .....         | .....       | 2.99     |
| 1914                                  |               |             |          |
| January .....                         | 30,100,000    | 2           | 3.43     |
| February .....                        | 211,000,000   | 11          | 3.34     |
| March .....                           | 1,596,600,000 | 31          | 3.97     |
| Total amount wanted .....             | 3,022,800,000 | .....       | .....    |
| Number of days in which water wasted. | .....         | 99          | .....    |
| Total rainfall .....                  | .....         | .....       | 42.13    |

STONY BROOK OVERFLOW, ETC., FOR THE PAST TWENTY-SEVEN  
(27) YEARS

|             | Gallons       | No. of Days | Rainfall |
|-------------|---------------|-------------|----------|
| 1888 .....  | 6,000,000,000 | .....       | .....    |
| 1889 .....  | 8,000,000,000 | .....       | .....    |
| 1890 .....  | 8,700,000,000 | .....       | .....    |
| 1891 .....  | 8,247,800,000 | .....       | 45.25    |
| 1892 .....  | 3,688,900,000 | .....       | 39.82    |
| 1893 .....  | 4,427,400,000 | .....       | 39.50    |
| 1894 .....  | 2,853,000,000 | .....       | 35.79    |
| 1895 .....  | 5,281,900,000 | 224         | 50.52    |
| 1896 .....  | 5,704,700,000 | 224         | 50.52    |
| 1897 .....  | 3,999,700,000 | 256         | 43.35    |
| 1898 .....  | 5,704,600,000 | 260         | 54.03    |
| 1899 .....  | 6,969,500,000 | 175         | 43.96    |
| 1900 .....  | 4,447,100,000 | 145         | 51.34    |
| 1901 .....  | 6,141,300,000 | 157         | 46.77    |
| 1902 .....  | 6,539,100,000 | 182         | 44.58    |
| 1903 .....  | 6,437,500,000 | 222         | 45.97    |
| 1904 .....  | 5,726,399,000 | 171         | 41.18    |
| 1905 .....  | 3,148,900,000 | 140         | 38.40    |
| 1906 .....  | 3,510,700,000 | 170         | 39.16    |
| 1907 .....  | 2,415,900,000 | 147         | 42.32    |
| *1908 ..... | 3,384,300,000 | 184 }       | 48.23    |
| †1909 ..... | 960,800,000   | 50 }        |          |
| ‡1910 ..... | 2,531,500,000 | 137         | 37.83    |
| ‡1911 ..... | 57,200,000    | 22          | 31.78    |
| ‡1912 ..... | 1,395,200,000 | 69          | 42.63    |
| ‡1913 ..... | 2,571,200,000 | 132         | 41.22    |
| ‡1914 ..... | 3,022,800,000 | 99          | 42.13    |

\*Previous to 1908—Fiscal year ended November 30.  
†Overflow from December 1, 1908, to March 31, 1909.  
‡Fiscal year ended March 31.



## HOBBS BROOK RESERVOIR

No water was drawn from this basin until July 20, 1913, when the gate was opened to let the water into Stony Brook Reservoir which had been lowered thirteen (13) feet below crest. The gate was again closed October 20, 1913, and to date has not been opened.

Both reservoirs are full at this date, and have been overflowing through the waterway.

As in past years, the standing grass has been sold at auction.

The buildings have received some few necessary repairs during the year.

It will be necessary to paint them this coming season.

Overflow and number of days, by year, in which the water overflowed at Stony Brook Reservoir January 1 to December 31

|            | Overflow Gallons | Number of days when water overflowed at Stony Brook Dam |                                |                   |
|------------|------------------|---|--------------------------------|-------------------|
|            |                  | Total   | Hobbs Brook                    |                   |
|            |                  |   | Water at elevation 181 or over | Water below crest |
| 1905.....  | 3,219,000,000    | 153   | 112                            | 41                |
| 1906 ..... | 3,474,000,000    | 158   | 121                            | 37                |
| 1907.....  | 2,866,000,000    | 179   | 70                             | 109               |
| 1908.....  | 2,927,000,000    | 154   | 131                            | 23                |
| 1909.....  | 1,765,000,000    | 118   | 0                              | 118               |
| 1910.....  | 57,200,000       | 22  | 0                              | 22                |
| 1911. .... | 274,100,000      | 26  | 0                              | 26                |
| 1912.....  | 2,897,400,000    | 111   | 66                             | 45                |
| 1913.....  | 198,000,000      | 119   | 48                             | 71                |
| Total      | 19,459,700,000   | 1040  | 548                            | 492               |
| Average    | 2,162,200 000    | 115   |                                |                   |

Number of days, by months, in which the water overflowed at Stony Brook Reservoir when elevation of water at Hobbs Brook was 181 or over

|              | 1905        |          | 1906        |          | 1907        |          | 1908        |          | 1909        |          | 1910        |          | 1911        |          | 1912        |          | 1913        |          |
|--------------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|-------------|----------|
|              | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall | No. of Days | Rainfall |
| January...   | ...         | 5.33     | ....        | 2.56     | ....        | 3.06     | 9           | 3.53     | 4.21        | 5.14     | 4.98        | 2.82     | ....        | 2.70     | ....        | 2.76     | ....        | 2.76     |
| February ..  | ....        | 1.62     | 7           | 2.83     | ....        | 1.98     | 29          | 4.83     | 5.14        | 3.88     | 3.88        | 2.97     | ....        | 2.61     | ....        | 3.50     | ....        | 3.50     |
| March.....   | 20          | 3.46     | 31          | 6.16     | ....        | 2.02     | 31          | 3.66     | 3.95        | 1.53     | 1.53        | 3.44     | ....        | 6.       | ....        | 5.52     | 3           | 5.52     |
| April.....   | 30          | 2.48     | 30          | 2.39     | 25          | 3.49     | 30          | 1.48     | 4.          | 2.32     | 2.32        | 2.51     | 28          | 4.16     | 28          | 4.24     | 20          | 4.24     |
| May .....    | 31          | 1.59     | 23          | 4.52     | 31          | 3.55     | 27          | 4.28     | 1.78        | 1.07     | 1.07        | .63      | 31          | 5.05     | 31          | 4.11     | 19          | 4.11     |
| June .....   | 30          | 5.38     | 21          | 2.18     | 14          | 2.52     | 5           | 1.25     | 3.08        | 4.85     | 4.85        | 3.12     | 7           | .26      | 7           | .87      | 6           | .87      |
| July... ..   | 1           | 1.89     | 9           | 4.87     | ....        | 1.64     | ....        | 3.56     | 1.61        | -2.20    | -2.20       | 4.23     | ....        | 4.27     | ....        | 3.05     | ....        | 3.05     |
| August.....  | ..          | 3.11     | ....        | 2.33     | ....        | 1.58     | ....        | 3.97     | 2.95        | 1.18     | 1.18        | 5.68     | ....        | 2.84     | ....        | 4.12     | ....        | 4.12     |
| September.   | ....        | 7.09     | ....        | 1.59     | ....        | 8.36     | ....        | .87      | 5.12        | 2.88     | 2.88        | 3.82     | ....        | 1.88     | ....        | 3.72     | ....        | 3.72     |
| October .... | ....        | 1.24     | ....        | 2.86     | ....        | 3.52     | ....        | 2.61     | 1.20        | 1.58     | 1.58        | 2.88     | ....        | 2.56     | ....        | 5.98     | ....        | 5.98     |
| November..   | ....        | 2.27     | ....        | 2.91     | ....        | 6.09     | ....        | 1.05     | 3.44        | 4.21     | 4.21        | 4.54     | ....        | 3.16     | ....        | 2.31     | ....        | 2.31     |
| December..   | ....        | 3.96     | ....        | 4.51     | ....        | 3.84     | ....        | 2.50     | 4.26        | 2.26     | 2.26        | 3.85     | ....        | 5.26     | ....        | 2.99     | ....        | 2.99     |
|              | 112         | 39.42    | 121         | 39.71    | 70          | 41.65    | 131         | 33.59    | 40.74       | 32.94    | 40.55       | 40.75    | 48          | 43.17    |             |          |             |          |

HOBBS BROOK

STONY BROOK

| Lincoln Street, Basin No. 1   |                               |                                |  | Winter Street, Basin No. 2   |                               |                                |                   | Elevation of Crest—81   |                               |                                |  |
|---|-------------------------------|--------------------------------|--|--|-------------------------------|--------------------------------|-------------------|---|-------------------------------|--------------------------------|--|
|   | Lowest Elevation During Month | Highest Elevation During Month | Month-ly Rainfall                                  |  | Lowest Elevation During Month | Highest Elevation During Month | Month-ly Rainfall |   | Lowest Elevation During Month | Highest Elevation During Month | Month-ly Rainfall                                  |
| 1913<br>April 9.....<br>April 30.....<br>May 16.....<br>May 31.....<br>June 1.....<br>June 30.....<br>July 1.....<br>July 31.....<br>Aug 4.....<br>Aug 31.....<br>Sept. 1.....<br>Sept. 30..... | 180.70                        | 181.40                         | Inches<br>.....<br>4.33                            | 1913<br>April 1.....<br>April 30.....<br>May 16.....<br>May 31.....<br>June 1.....<br>June 30.....<br>July 1.....<br>July 31.....<br>Aug. 1.....<br>Aug 31.....<br>Sept. 1.....<br>Sept. 30..... | 179.30                        | 181.35                         | .....             | 1913<br>April 11.....<br>April 14.....<br>May 22.....<br>May 25.....<br>June 1.....<br>June 30.....<br>July 1.....<br>July 20.....<br>Aug. 1.....<br>Aug. 31.....<br>Sept. 21.....<br>Sept. 30..... | 81.25                         | 81.77                          | Inches<br>.....<br>4.24                            |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
| 1914<br>Jan. 20.....<br>Jan. 31.....<br>Feb. 1.....<br>Feb. 27.....<br>Mar. 1.....<br>Mar 27.....   | 180.65                        | 180.80                         | .....<br>.....<br>.....<br>.....<br>.....<br>..... | 1914<br>Jan. 1.....<br>Jan 31.....<br>Feb. 1.....<br>Feb. 28.....<br>Mar. 1.....<br>Mar. 7.....  | 178.25                        | 179.60                         | .....             | 1914<br>Jan. 24.....<br>Jan. 31.....<br>Feb. 1.....<br>Feb. 31.....<br>Mar. 1.....<br>Mar. 4.....   | 76.71                         | 81.40                          | .....<br>.....<br>.....<br>.....<br>.....<br>..... |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |
|   | .....                         | .....                          | .....  |  | .....                         | .....                          | .....             |   | .....                         | .....                          | .....  |

July 20, Gate at Hobbs Brook—opened. October 30, Gate at Hobbs Brook—closed.





SUPPLIES, ETC., RENEWED DURING YEAR

|  | 8<br>Inch | 6<br>Inch | 4<br>Inch | 2<br>Inch | 1½<br>Inch | 1¼<br>Inch | 1<br>Inch | ¾<br>Inch | Total  |
|--|-----------|-----------|-----------|-----------|------------|------------|-----------|-----------|--------|
| Length, in feet, of cast-iron pipe.....            |           | 81½       | 4½        | .....     | .....      | .....      | .....     | .....     | 86     |
| Length, in feet, of lead-lined pipe....            |           | .....     | .....     | 350       | 202        | 376        | 2079      | 16722     | 19729  |
| Length, in feet, of galvanized pipe....            |           | .....     | .....     | .....     | .....      | 61½        | 6         | .....     | 67½    |
| Total length, in feet.....                         |           | 81½       | 4½        | 350       | 202        | 437½       | 2085      | 16722     | 19882½ |
| Number of supplies, renewed, galvan-<br>ized ..... |           | .....     | .....     | .....     | .....      | 1          | 1         | .....     | 2      |
| Number of supplies renewed, lead-<br>lined .....   |           | .....     | .....     | 8         | 6          | 9          | 65        | 573       | 661    |
| Total number of supplies renewed....               |           | .....     | .....     | 8         | 6          | 10         | 66        | 573       | 663    |
| Number of screw cocks.....                         |           | .....     | .....     | 1         | 1          | 9          | 12        | 55        | 78     |
| Number of sidewalk cocks. ....                     |           | .....     | .....     | .....     | .....      | 4          | 14        | 55        | 73     |
| Number of valves.....                              |           | .....     | .....     | 7         | 5          | 14         | 25        | 210       | 261    |
| Number of service boxes.....                       |           | .....     | .....     | .....     | .....      | .....      | .....     | .....     | 81     |
| Number of gate boxes.....                          |           | .....     | .....     | .....     | .....      | .....      | .....     | .....     | 21     |
| Number of small wooden boxes.....                  |           | .....     | .....     | .....     | .....      | .....      | .....     | .....     | 4      |

COMPARATIVE TRENCHING FOR THE PAST NINE YEARS

|           | MAIN PIPE      |               |                |               | SUPPLIES |              | TOTAL   |       |
|-----------|----------------|---------------|----------------|---------------|----------|--------------|---------|-------|
|           | Exten-<br>sion | Re-<br>newals | Subway Changes |               | New      | Re-<br>newal | Feet    | Miles |
|           |                |               | New            | Re-<br>newals |          |              |         |       |
| 1906..... | 7,443          | 1,357         | .....          | .....         | 4,835    | 8,716        | 22,351  | 4.23  |
| 1907..... | 4,377          | 1,964         | .....          | .....         | 5,433    | 6,461        | 18,235  | 3.45  |
| 1908..... | 2,877          | 918           | .....          | .....         | 5,730    | 8,361        | 17,886  | 3.38  |
| 1909..... | 3,068½         | 918           | .....          | .....         | 6,674½   | 9,312½       | 19,973½ | 3.80  |
| 1910..... | 5,361½         | 2,952         | 777            | 6,071         | 6,090    | 11,548       | 32,799½ | 6.21  |
| 1911..... | 4,092          | 519           | 2,616          | 4,060         | 6,541½   | 13,032       | 30,860½ | 5.84  |
| 1912..... | 5,813          | 2,424         | 2,033          | 3,995         | 9,476    | 13,403       | 37,144  | 7.03  |
| 1913..... | 16,459         | 6,284         | 50             | 355           | 11,988½  | 16,325       | 51,461½ | 9.74  |
| 1914..... | 11,000         | 4,154         | .....          | .....         | 8,175½   | 19,882½      | 43,212  | 8.18  |

# SUMMARY OF STATISTICS

*In form recommended by the New England Water Works Association*

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## CAMBRIDGE WATER WORKS

Cambridge, Middlesex County, Massachusetts

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### GENERAL STATISTICS

Population by census 1910, 104,839.

Estimated population March 31, 1914, 112,000.

Cambridge Water Works Corporation was chartered in 1852 and organized in 1853.

The works were constructed in 1855—Mr. John Blake, consulting engineer—and came into possession of the city by purchase in 1865, when they were called "Cambridge Water Works."

The original source of supply was Fresh Pond in Cambridge and Belmont, which was enlarged by connection via conduit with Wellington Brook and Spy Pond. The waters of these additional sources were adjudged unfit for domestic use in 1880 and since that time have not been utilized for a supply by Cambridge.

In 1887, Fresh Pond was supplemented by a storage reservoir which had been constructed on Stony Brook, located in Weston and Waltham. The waters from this brook are brought to Fresh Pond by a conduit, originally a thirty-inch cast iron pipe, which was laid through Waltham and Watertown to Fresh Pond Reservoir.

This extension of the works was made under the direction of Mr. N. Henry Crafts, as consulting engineer, and our city engineer, Mr. W. S. Barbour.

The population of the city was about 60,000.

In 1897 an additional provision was made for storing water by the construction of two large reservoirs on Hobbs Brook, which is a tributary of Stony Brook and flows through Lexington and Lincoln.

Consulting engineers, Mr. A. Fteley and Messrs. Rice and Evans,



and our City Engineer, Mr. L. M. Hastings, directed the construction of these reservoirs.

The population at this time was about 87,500.

In 1905 and 1906, two sections of the Stony Brook pipe line were rebuilt, the new conduit being made of concrete, sixty-three inches in diameter. Another part was rebuilt in 1908, when a new thirty-inch main of cast iron was laid to replace 1,500 feet of the old thirty-inch line.

The consulting engineer for the concrete conduit was Freeman C. Coffin, with our City Engineer, Mr. L. M. Hastings.

The new thirty-inch main was laid under the supervision of the Water Works Superintendent, Mr. E. C. Brooks.

The conduit is constructed as follows:

From Fresh Pond to River Street,

|                                      |                                |
|--------------------------------------|--------------------------------|
| Waltham .....                        | 27,405 ft. of 63-inch concrete |
| From River Street to Stony Brook Dam | { 1,500 feet of 30-inch (new)  |
|                                      | { 6,023 feet of 30-inch (old)  |
|                                      | { 4,826 feet of 36-inch (old)  |

Mode of supply: Gravity from Hobbs Brook and Stony Brook reservoirs to Fresh Pond, pumping from Fresh Pond to Payson Park Reservoir, thence by gravity to consumers.

## PUMPING STATISTICS

1. Builders of pumping machinery:—One Leavitt, built by Groshen High Duty Pumping Engine Company, of 20,000,000 gallons capacity; two Worthingtons, each 5,000,000 gallons capacity, and one Blake of 2,250,000 gallons capacity.

2. Description of fuel used:—Kind—bituminous.

Brand of coal—"New River" at  
\$4.37.

3. Coal consumed for the year—5,094,700 pounds.

4. Pounds of wood consumed divided by three equals equivalent amount of coal—500 pounds.

5. Total equivalent coal consumed for the year for pumping purposes—5,095,200 pounds.

6. Total pumpage for the year without allowance for slip—3,985,123,900 gallons.

7. Average static head against which the pump works—157.30.

8. Average dynamic head against which the pump works—  
191.62.
9. Number of gallons pumped per pound equivalent coal—782.
10. Duty—123,584,549.
- Cost of pumping figured on pumping station expenses, viz.,  
\$24,429.45.
11. Per million gallons pumped—\$6.13.
12. Per million gallons raised one foot (dynamic)—\$.03 2-10.

FINANCIAL STATISTICS

For year ending March 31, 1914

| EXPENDITURES                           |                   |                       |
|--|-------------------|-----------------------|
|  | Total<br>Expenses | Operating<br>Expenses |
| Pumping, general expenses .....        | \$13,078 42       | \$13,078 42           |
| Pumping, salaries .....                | 11,351 03         | 11,351 03             |
| Salaries .....                         | 14,191 84         | 14,191 84             |
| General expenses .....                 | 60,864 69         | 60,864 69             |
| Supply expenses .....                  | 5,074 87          |                       |
| Fresh Pond Reservoir .....             | 10,724 52         | 10,724 52             |
| Payson Park Reservoir .....            | 1,209 47          | 1,209 47              |
| Hobbs Brook Reservoir .....            | 1,348 14          | 1,348 14              |
| Stony Brook Reservoir .....            | 3,853 72          | 3,853 72              |
| Ice for fountains .....                | 970 81            | 970 81                |
| City Treasurer and City Solicitor .... | 2,500 00          | 2,500 00              |
|  | <hr/>             | <hr/>                 |
|  | \$125,167 51      | \$120,092 64          |
| Interest on bonds .....                | 110,152 75        |                       |
| Sinking Fund .....                     | 92,880 00         |                       |
| Serial bond paid .....                 | 16,500 00         |                       |
| Refunds and abatements .....           | 4,373 66          |                       |
|  | <hr/>             |                       |
|  | \$349,073 92      |                       |
| <i>Construction:</i>                   |                   |                       |
| General .....                          | \$32,920 89       |                       |
| Meters .....                           | 3,809 05          |                       |
| Meters (Detectors) .....               | 4,185 74          |                       |
| Hobbs Brook Conduit .....              | 6,486 00          |                       |
|  | <hr/>             |                       |
|  | \$47,401 68       |                       |

*Net receipts from water rates, etc.*

|                                    |                |
|------------------------------------|----------------|
| Water rates, etc. ....             | \$385,208 71   |
| Miscellaneous .....                | 15,737 88      |
| Construction, general .....        | 10,202 18      |
| Cost of works to date.....         | \$6,640,032 87 |
| Bonded debt at date (net).....     | 1,177,050 19   |
| Value of sinking fund to date..... | 1,719,049 81   |
| Average rate of interest .....     | 3½ to 4%       |

## STATISTICS OF CONSUMPTION OF WATER

For the year extending from April 1, 1913, to March 31, 1914

Total population—104,839 (census 1910).

Estimated population supplied on lines of pipe—112,000.

Total pumpage for year—3,985,123,900 gallons.

Average daily consumption—10,948,142 gallons.

Gallons per day to each inhabitant—97.75.

Gallons per day to each tap—667.

Cost of supplying water per million gallons pumped, figured on total maintenance “operating expenses”—\$30.13.

Total cost of supplying water per million gallons pumped, figured on “total maintenance”—\$87.59.

## STATISTICS RELATING TO DISTRIBUTING SYSTEM

For the year extending from April 1, 1913, to March 31, 1914

## MAINS

Kind of pipe—cast iron.

Sizes—from two-inch to forty-inch.

Extended during year—11,000 feet.

Renewed during the year—4,154 feet.

Total now in use—138.229 miles.

Number of leaks per mile for the year ending March 31, 1914—21.

Length of pipes two and three inches in diameter—2.05 miles.

Number of hydrants added during year (public)—23.

Number of hydrants (public) now in use—1,148.

Number of stop gates added during year—36.

Number of stop gates smaller than four-inch—none.

Range of pressure on mains—55 to 60 pounds.



SERVICES

Kind of pipe—galvanized wrought iron, cast iron, tin-lined, lead and lead-lined.

Sizes—three-fourths to eight-inch.

Extended during the year—8,175½ feet.

Number of service taps added during the year:

|         |     |
|---------|-----|
| ¾-inch  | 93  |
| 1-inch  | 57  |
| 1¼-inch | 8   |
| 1½-inch | 9   |
| 2-inch  | 11  |
| 4-inch  | 10  |
| 6-inch  | 12  |
| 8-inch  | 1   |
| <hr/>   |     |
| Total   | 201 |

Number now in use—16,395.

Average length of service for past year—40.70.

Average cost of service for the year (lead lined):

|                             |         |
|-----------------------------|---------|
| Average for ¾-inch supplies | \$23 57 |
| “ “ 1-inch “                | 28 68   |
| “ “ 1¼-inch “               | 36 68   |
| “ “ 1½-inch “               | 31 73   |
| “ “ 2-inch “                | 59 88   |

Average cost for year—28.51.

Number of meters added during the year—317.

Number now in use—5,315.

Percentage of services metered—32 4-10.

Respectfully submitted,  
EDWARD W. QUINN,  
*Acting Superintendent.*

PUMPING STATION,  
Cambridge, Mass., April 1, 1914.

MR. EDWARD W. QUINN, Acting Superintendent, Cambridge Water Works.

Dear Sir:—I would report that the machinery and boilers at the Pumping Station are in good condition.

The Leavitt Engine has pumped all the water used by the city the past year.

The Worthington Engines have been moved by water pressure at regular intervals to prevent corrosion.

A new set of grease cups have been put on the links of Leavitt Engine, and, as they were made at the Station, the only expense incurred was for the castings.

An expansion joint, which was made up at the Station, has been placed on the main blow-off from the boilers making the pipe tight. Because of expansion and contraction, this pipe had always leaked and the new joint will correct the old condition.

A new Blake Boiler Feed Pump has been installed to comply with the State law. It has been in use the past few weeks and is giving very satisfactory service.

The old Feed Pump, which has been in daily use since 1898, will get a thorough overhauling as soon as possible.

Both will then be used alternately.

A Metropolitan Injector has been connected to the boilers. This is of sufficient capacity to supply the boilers with hot water when it will be necessary to shut off the Feed Water Heaters for repairs. It will be ready to start in a few days.

Both the Pump and Injector have been installed by the Station employees.

Three new screens have been placed in the Conduit from Fresh Pond.

The wooden coal shed was destroyed by fire October 5th, 1913; it started about 4 A. M.

For this reason it has been necessary to employ an extra man to handle the coal.

The floor of the station has been polished by employees of the department.

All the glass in the windows have been reset.

Respectfully submitted,

P. BARRY,  
*Chief Engineer.*





# REPORT OF THE SUPERINTENDENT OF PUBLIC BUILDINGS

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June 25, 1914.

HON TIMOTHY W. GOOD, Mayor, Cambridge, Mass.

Dear Sir:—In accordance with the revised ordinances of this city, the Superintendent of Public Buildings hereby submits the annual report of the Building Department covering the period from April 1, 1913, to March 31, 1914.

## FIRE LIMITS

As at present laid out, the fire limits extend along our main thoroughfares for a depth of 100 feet back of the building line. While this limit may seem adequate, in reality it does not accomplish what is intended. For example, a piece of property to be developed within the fire limits must be built on of either first or second-class construction, whereas just outside of this limit and adjoining it, third-class construction is permitted, with the result that the fire hazard in some of our districts is lessened but very little. If instead of fixing the fire limits along certain streets, the zone system was applied and certain well-defined areas were mapped out, better results would surely obtain in years to come. There is an immediate need of applying this principle in the eastern end of our city in order to safeguard the interests of the city, as a whole, by preventing any further development of this territory, except along safe and sane lines.

## SIGNS AND AWNINGS

The increasing danger from the indiscriminate erection of signs over sidewalks without any supervision whatever, and in violation of the law, should demand immediate attention. Chapter 632 of the Acts of 1913 authorizes the Board of Aldermen "to grant permits . . . to make rules and regulations for the placing or maintaining of signs, advertising devices, clocks, marquees, permanent awning and structures projecting into or placed on or over the public highways of said

city.” Nothing, however, has been done under this authority, and seemingly the city has winked at a continued violation of the law.

### FEES FOR BUILDING PERMITS

Chapter 210 of the Acts of 1914, which is “An act relative to building permits in the City of Cambridge,” contains the following in Section 2 thereof “on and after the first day of July nineteen hundred and fourteen there shall be charged for all permits issued by the Superintendent of Public Buildings, such fees as the City Council of the City of Cambridge may hereafter authorize.” It is hoped that immediate action may be taken under this authority to establish fees for building permits, thereby providing a source of revenue for the city.

### ELEVATOR INSPECTION

Chapter 806 of the Acts of 1913 entitled “An act relative to the installation, alteration and inspection of elevators, and to the appointment of a Board of Elevator Regulation” provides that “in cities and towns having an Inspector of Buildings or a person acting as such, the installation and alteration of all elevators shall be under the supervision of such inspector. No elevator shall hereafter be installed or altered until a copy of the plans and specifications of such elevator or of the proposed alterations shall have been filed by the owner of the premises where the elevator is to be installed or the manufacturer of the elevator, with the inspector having jurisdiction, and a certificate of approval or a specification of requirements shall have been issued to him.” In addition to the foregoing requirements, all elevators must be inspected annually and a practical test made of the safety devices. While heretofore there has been a local ordinance governing our control of the construction and operation of elevators, it is considerably extended by this new statute. Under the authority of this act, regulations have been adopted to provide for the licensing of all elevator operators now or hereafter employed in this city.

### FIRE HEADQUARTERS

After a long period of years, during which many efforts had been made to secure the necessary appropriation for the construction of a new fire station in Inman Square, an appropriation for this purpose was finally secured during the past year. As constructed, this

building will provide quarters for the Chief and his assistant with their motor apparatus, as well as Engine Company 5. The need of providing fireproof quarters for the fire alarm system has been taken care of in this building by providing suitable accommodations on the third floor for this branch of the service. In addition space has been reserved on the first floor for the fire alarm motor vehicles and for a repair shop.

### APARTMENT HOUSE FIRE PROTECTION

The increasing frequency of apartment house fires with their attendant loss of life requires that closer study be given to the subject of how best to protect this class of buildings from fire. Under Chapter 680 of the Acts of 1913, which is "An act to provide for a Commission to investigate the regulations now in force throughout the Commonwealth relative to the Construction, Alteration and Maintenance of Buildings," a very comprehensive study is being made with a view to secure such general regulations as will be operative throughout the whole of the Commonwealth. The need for just such codification of the building laws of the Commonwealth is apparent when one studies the many conflicting statutes and ordinances that now exist. This division of responsibility is what brings about the situation that occurs when some unfortunate disaster happens, and an attempt is made to place the responsibility, and we find the accused officials pointing the finger of blame at each other in a never-ending circle. To remedy this condition will require legislative action, and it is hoped that the commission now working upon this subject will bring about this much-needed change to centre the responsibility for the proper control of buildings that are now and hereafter to be erected, so as to provide for the safety to life in case of fire. However, if the Legislature does not recognize its duty in the premises, some changes will have to be made in our ordinances to remedy the present condition.

I wish at this time to call attention to the continued good work of the following inspectors of the department, Leonard D. Garfield, William A. Ford, John J. Terry, Robert M. Welch, William J. Stanger, and of the clerk, William H. Sheridan.

Respectfully,

JEREMIAH F. DOWNEY,  
*Superintendent of Public Buildings.*



## APPENDIX TO REPORT OF SUPERINTENDENT OF PUBLIC BUILDINGS

## INSPECTION OF BUILDINGS

|  |       |
|--|-------|
| Number of inspections of buildings .....                         | 3,875 |
| Violations:  |       |
| Building without permit .....                                    | 21    |
| Building too near line of adjoining lot .....                    | 8     |
| Defective chimneys .....   | 12    |
| Defective foundations .....                                      | 16    |
| Defective furnace pipes .....                                    | 12    |
| Defective methods of construction .....                          | 22    |
| Defective rain water conductors .....                            | 13    |
| Defective means of egress .....                                  | 9     |
| Dangerous buildings examined and ordered repaired or removed.... | 19    |
| Number of inspections of elevators .....                         | 219   |
| Number of elevators found defective .....                        | 42    |

## GAS INSPECTION

|   |       |
|---|-------|
| Number of gas fitting inspections .....   | 1,140 |
| Number of services tested .....   | 1,346 |
| Number of fixture tests .....   | 1,190 |
| Number of jobs found defective or otherwise not in accordance with ordinances ..... | 333   |

## INSPECTION OF PLUMBING

|   |       |
|---|-------|
| Number of plumbing permits granted .....  | 477   |
| Number of tests and inspections .....   | 2,448 |
| Number of jobs found defective or otherwise not in accordance with ordinances ..... | 14    |
| Number prosecuted for violation of ordinances.....                                  | 0     |

NOTE:—In addition the plumbing in all public buildings in process of construction, reconstruction or repair, was subjected to daily inspection.

NOTE:—For the purpose of comparing statistics with other cities, as well as for the information of the United States Government and the various trade papers, it has been found expedient to have the following tables cover the period of the last calendar year.

TABLE I  
PERMITS ISSUED IN 1913

|  | Jan. | Feb. | Mar. | Apr. | May | June | July | Aug. | Sept. | Oct. | Nov. | Dec. | Totals |
|--|------|------|------|------|-----|------|------|------|-------|------|------|------|--------|
| Additions, alterations and repairs (wood)..... | 12   | 11   | 17   | 35   | 19  | 26   | 42   | 22   | 16    | 11   | 22   | 17   | 250    |
| Additions, alterations and repairs (brick)...  | ..   | 2    | 7    | 4    | 2   | 7    | ..   | 3    | 1     | 2    | 2    | 4    | 34     |
| Apartment houses (wood).....                   | ..   | ..   | 1    | ..   | ..  | ..   | ..   | 1    | ..    | ..   | 1    | ..   | 8      |
| Apartment houses (brick).....                  | ..   | ..   | 1    | 3    | 1   | 1    | ..   | 1    | ..    | ..   | ..   | ..   | 1      |
| Boat house (wood).....                         | ..   | 1    | ..   | 1    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | 1      |
| Club house (brick).....                        | ..   | ..   | ..   | ..   | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | 1      |
| Coal pocket (wood).....                        | ..   | ..   | ..   | ..   | ..  | ..   | ..   | 1    | ..    | ..   | ..   | ..   | 1      |
| Coal pocket (steel).....                       | ..   | ..   | ..   | ..   | ..  | ..   | ..   | ..   | 1     | ..   | ..   | ..   | 1      |
| College buildings (brick and stone).....       | ..   | ..   | ..   | 1    | ..  | ..   | 5    | 1    | 1     | ..   | ..   | ..   | 8      |
| Dwellings (wood).....                          | 10   | 12   | 11   | 8    | 16  | 9    | 7    | 6    | 5     | 6    | 7    | 6    | 103    |
| Dwellings (brick).....                         | ..   | ..   | ..   | 3    | ..  | 1    | 1    | 1    | ..    | 1    | 1    | ..   | 1      |
| Factories (brick or concrete).....             | 1    | ..   | ..   | ..   | ..  | 1    | 1    | ..   | ..    | 1    | ..   | 2    | 11     |
| Fire station (brick).....                      | ..   | ..   | ..   | ..   | ..  | 1    | 1    | ..   | ..    | ..   | ..   | ..   | 1      |
| Flagstaff (Memorial).....                      | ..   | ..   | ..   | 2    | 2   | 1    | 2    | 1    | 3     | 1    | 3    | 3    | 21     |
| Garages (wood).....                            | 3    | ..   | ..   | 2    | ..  | 1    | ..   | 1    | ..    | 1    | ..   | ..   | 1      |
| Garages (brick, stone or concrete).....        | 1    | 1    | 3    | 2    | ..  | ..   | ..   | 1    | 1     | 1    | ..   | 2    | 12     |
| Gymnasium (brick).....                         | ..   | ..   | ..   | ..   | ..  | ..   | ..   | ..   | 1     | ..   | ..   | ..   | 1      |
| School (brick).....                            | ..   | ..   | ..   | 1    | ..  | ..   | ..   | ..   | ..    | ..   | 1    | ..   | 1      |
| Stable (wood).....                             | ..   | ..   | ..   | 1    | ..  | ..   | ..   | ..   | ..    | ..   | 1    | ..   | 1      |
| Stables (brick).....                           | ..   | 1    | ..   | 1    | ..  | ..   | ..   | ..   | ..    | ..   | ..   | ..   | 2      |
| Storage buildings (wood).....                  | 5    | 5    | 4    | 4    | 2   | 2    | 1    | 2    | 4     | 4    | 4    | 6    | 43     |
| Storage buildings (brick or concrete).....     | 1    | ..   | 1    | 1    | 1   | 2    | 1    | 1    | 1     | 2    | 2    | ..   | 11     |
| Stores and offices (wood).....                 | ..   | ..   | ..   | 2    | 1   | 1    | 1    | 1    | 1     | ..   | ..   | ..   | 5      |
| Stores and offices (brick).....                | ..   | ..   | 2    | 2    | 3   | 2    | 1    | ..   | 2     | ..   | ..   | ..   | 9      |
| Miscellaneous (razed, moved, etc.).....        | 4    | 2    | 9    | 7    | 5   | 4    | 1    | 3    | 2     | 1    | 2    | 8    | 48     |
| Totals .....                                   | 37   | 35   | 56   | 75   | 52  | 57   | 61   | 45   | 36    | 30   | 45   | 48   | 577    |

TABLE II  
ESTIMATED COST OF BUILDING OPERATIONS IN 1913

|   | Jan.      | Feb.      | Mar.      | Apr.       | May       | June      | July        | Aug.      | Sept.     | Oct.     | Nov.      | Dec.      | Totals      |
|---|-----------|-----------|-----------|------------|-----------|-----------|-------------|-----------|-----------|----------|-----------|-----------|-------------|
| Additions, alterations and repairs (wood) .....                     | \$19,700  | \$32,800  | \$9,800   | \$16,750   | \$11,625  | \$15,175  | \$28,875    | \$15,350  | \$7,625   | \$5,500  | 12,750    | \$4,425   | \$180,375   |
| Additions, alterations and repairs (brick, stone or concrete) ..... |           | 3,000     | 23,000    | 7,850      | 6,800     | 2,690     |             | 20,900    | 15,000    | 3,000    | 225       | 1,500     | 83,965      |
| Apartment houses (wood) .....                                       |           |           | 10,000    |            |           |           |             | 12,000    |           |          |           |           | 22,000      |
| Apartment houses (brick) .....                                      |           |           | 80,000    | 108,000    | 34,000    | 50,000    |             | 35,000    |           |          | 12,000    |           | 319,000     |
| Boat house (wood) .....   |           | 15,000    |           |            |           |           |             |           |           |          |           |           | 15,000      |
| Club house (brick) .....  |           |           |           | 50,000     |           |           |             |           |           |          |           |           | 50,000      |
| Coal pocket (wood) .....  |           |           |           |            |           |           |             |           |           |          |           |           | 1,200       |
| Coal pocket (steel) .....   |           |           |           |            |           |           |             | 1,200     | 8,500     |          |           |           | 8,500       |
| College buildings (brick and stone) .....                           |           |           |           | 2,000,000  |           |           | 1,630,000   | 80,000    | 60,000    |          |           |           | 3,770,000   |
| Dwellings (wood) .....  | 60,500    | 74,300    | 86,600    | 42,500     | 105,500   | 42,100    | 42,500      | 40,100    | 27,500    | 41,100   | 36,800    | 31,500    | 631,000     |
| Dwellings (brick) .....   |           |           |           |            |           |           |             |           |           | 30,000   |           |           | 30,000      |
| Factories (brick and concrete) .....                                | 30,000    |           |           | 329,000    |           | 400,000   | 60,000      | 9,000     |           | 800      | 30,000    | 130,000   | 988,800     |
| Fire station (brick) .....  |           |           |           |            |           |           | 50,000      |           |           |          |           |           | 50,000      |
| Flag staff (Memorial) .....   |           |           |           |            |           | 6,050     |             |           |           |          |           |           | 6,055       |
| Garages (wood) .....  | 520       |           |           | 750        | 200       | 25        | 850         | 150       | 350       | 100      | 575       | 500       | 4,020       |
| Garages (brick, stone or concrete) .....                            | 4,000     | 20,000    | 13,500    | 50,000     |           |           |             | 300       | 6,000     | 3,000    |           | 500       | 97,300      |
| Gymnasium (brick) .....   |           |           |           |            |           |           |             |           | 28,000    |          |           |           | 28,000      |
| School (brick) .....  |           |           |           | 12,000     |           |           |             |           |           |          |           |           | 12,000      |
| Stable (wood) .....   |           |           |           |            |           |           |             |           |           |          | 6,000     |           | 6,000       |
| Stable (brick) .....  |           | 1,200     |           | 2,000      |           |           |             |           |           |          |           |           | 3,200       |
| Storage buildings (wood) .....                                      | 2,600     | 875       | 5,000     | 7,875      | 11,000    | 6,650     | 2,950       | 175       | 1,300     | 5,225    | 1,850     | 700       | 46,200      |
| Storage buildings (brick or concrete) .....                         | 14,000    |           | 5,000     | 1,000      | 3,000     | 35,000    |             | 9,000     |           | 2,250    | 425       |           | 69,675      |
| Stores and offices (wood) .....                                     |           |           |           |            | 200       | 300       | 150         | 6,000     | 1,000     |          |           |           | 7,650       |
| Stores and offices (brick) .....                                    |           |           | 71,500    | 35,700     | 62,700    | 3,400     |             |           |           |          |           |           | 173,300     |
| Totals .....  | \$131,320 | \$147,175 | \$304,400 | \$2,663,42 | \$235,025 | \$561,397 | \$1,815,325 | \$229,175 | \$155,275 | \$90,975 | \$100,625 | \$169,125 | \$6,603,240 |



# REPORT OF BOARD OF APPEAL

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June 25, 1914.

HON. TIMOTHY W. GOOD, Mayor, Cambridge, Mass.

Dear Sir:—In accordance with the provisions of Section 8 of the building ordinances, the Board of Appeal respectfully reports as follows:—

During the year 1913-1914 two cases have come before the Board, of which the following is a brief summary:

Messrs. Dykeman and Murray, 61 Austin Street, June 14, 1913. Appeal from decision of Superintendent of Public Buildings requiring that partitions enclosing interior fire escape in tenement house be brick nogged the full height. After a hearing the Board sustained the decision of the Superintendent and denied the appeal.

C. S. Hawkins, 14 Mifflin Place, December 12, 1913. Appeal from decision of Superintendent of Public Buildings requiring an eight-inch brick wall on side of building, which was nearer than three feet to the line of the adjoining lot. Decision of Superintendent was made on October 31st and appeal was not taken until December 6th. After a hearing the Board denied the appeal on the ground that it had no jurisdiction, the limit of time allowed for an appeal having been exceeded.

Complete records of all these cases are on file at the office of the Superintendent of Public Buildings.

Respectfully submitted,

C. H. BLACKALL,  
JOHN B. BYRNE,  
H. N. STEARNS,

*Board of Appeal.*

WM. H. SHERIDAN, *Clerk.*

# REPORT OF THE AGENT OF SOLDIERS' AID

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Cambridge, Mass., March 31, 1914.

*To the Honorable, the City Council, of the City of Cambridge:*

Gentlemen:—The following is my 10th annual report of the Soldiers' Aid Department for the year ending March 31, 1914:

The work attendant to the care of the needy veterans and widows of both the Civil and Spanish Wars, increases each year as they advance in age. While it is a pleasure to be able to give them such relief as the State and city provides, it requires careful thought and much discretion has to be exercised in the disbursement of aid.

Under the Act of the Legislature approved March 21, 1913, the soldiers and widows of the Spanish War and Philippines have been made eligible to receive, in addition to State aid, soldiers' relief, which previous to the passage of this act was allowed to the veterans and widows of the Civil War. When the estimates for the last financial year were made up, these new provisions were not known, therefore no allowance was made for this extra expenditure, and while the demands during the last year have not been very large, there is no doubt but what there will be an increase the coming year and more families will have to be cared for.

It becomes more in evidence every day that under the present conditions the disbursement of aid should be separated from any other department, as a more thorough investigation should be made of the applicants. This has been advocated in previous reports. There are some cities and towns where the work is done in conjunction with other duties, but there is no doubt the city and the beneficiaries would be better served if it was made an office by itself.

At present over \$27,000.00 is paid out for veterans, widows, wives and dependents, and as the years roll on, this amount will undoubtedly increase, principally on account of the new law before cited.

|   |             |       |
|---|-------------|-------|
| The number of beneficiaries March 31, 1913..... | 424         |       |
| Applications considered during the year.....    | 84          |       |
|   | <hr/>       | 508   |
| Died during the year.....                       | 43          |       |
| Left the city, aid discontinued .....           | 58          |       |
|   | <hr/>       | 101   |
|   |             | <hr/> |
| Balance .....                                   |             | 407   |
| Amount appropriated for the year 1913-1914..... | \$27,350 00 |       |
| Additional appropriation .....                  | 900 00      |       |
|   | <hr/>       |       |
| Total .....                                     | \$28,250 00 |       |

## EXPENDED

|   |             |           |
|---|-------------|-----------|
| Payroll, State Aid .....                | \$10,138 00 |           |
| Payroll, Military Aid .....             | 458 00      |           |
| Payroll, Soldiers' Relief .....         | 15,404 00   |           |
| Clerk's salary .....                    | 700 00      |           |
| Burials .....                           | 700 00      |           |
| Sundry bills, groceries, fuel, etc..... | 678 19      |           |
|   | <hr/>       |           |
| Total expended .....                    |             | 28,078 19 |
|   |             | <hr/>     |
| Relinquished to treasury .....          |             | \$161 81  |

Respectfully submitted,

EBEN W. PIKE,  
*Clerk and Agent.*



# REPORT OF THE TRUSTEES OF THE DOWSE INSTITUTE

---

*To the Honorable, the City Council:*

The Trustees of the Dowse Institute during the year 1913-14 continued the policy of the preceding year, presenting a course of four entertainments in Brattle Hall. The number of persons who attended the course was larger than for several previous years.

The Trustees also appropriated the sum of seventy-five dollars for the instruction of recent immigrants in matters which would prepare them for citizenship.

JOSEPH H. BEAL,

Secretary.



# REPORT OF THE TRUSTEES OF THE BRIDGE CHARITABLE FUND

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The following is the thirty-sixth annual report relative to this fund, as prepared by the City Treasurer:

Founded by the late Levi Bridge of Cambridge, in his lifetime, by a deed of trust dated August 12, 1875, and upon his death (April 15, 1876) the amount of said fund came into the hands of the city. In October, 1877, Mr. Samuel F. Bridge, a relative of the founder, gave a sum sufficient to double the amount. When the fund reached two thousand dollars, one-third of the income was to be added to the principal and two-thirds of the income was to be paid over annually to the Overseers of the Poor, to be expended for the deserving poor of Cambridge. The trustees consist of the Mayor, the President of the Board of Aldermen and the President of the Common Council.

The City Treasurer is custodian of the fund.

|                                    |            |            |
|------------------------------------|------------|------------|
| Amount of fund March 31, 1913..... | \$2,546 38 |            |
| Interest to March 31, 1914.....    | 101 60     |            |
|                                    | <hr/>      |            |
| Total .....                        |            | \$2,647 98 |

Two-thirds of the income, amounting to \$67.73, was paid to the Overseers of the Poor, and the balance, \$33.87, was added to the principal, leaving a balance of \$2,580.25 in the hands of the City Treasurer. Said sum is deposited in the Central Trust Company and bears interest at the rate of four per cent. per annum.

TIMOTHY W. GOOD,  
*City Treasurer.*

As all the essential facts in relation to this fund are recited in the report of the City Treasurer, the Trustees desire only to repeat the suggestion embodied in previous reports, that other charitable persons may be disposed to add their contributions to the fund.

J. EDWARD BARRY,  
PETER J. NELLIGAN,  
JOHN H. LYNCH,

*Trustees of the Bridge Charitable Fund.*



# REPORT OF BOARD OF CEMETERY COMMISSIONERS

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Cambridge, April 1st, 1914.

*To the Honorable the City Council of the City of Cambridge:*

The Board of Commissioners of Cambridge Cemetery respectfully submits its sixtieth (60th) Annual Report, the same being for a twelve months' period ending March 31st, 1914.

The amounts appropriated for the use of the department during the past season were as follows:

|                        |            |
|------------------------|------------|
| General Expenses ..... | \$2,399 00 |
| Salaries .....         | 17,345 00  |

There was expended during the year the following amounts, to wit:

|                        |            |
|------------------------|------------|
| Account of             |            |
| General Expenses ..... | \$1,237 94 |
| Salaries .....         | 17,267 64  |

For a detailed account of expenditures reference is made to the City Auditor's report.

The revenue to April 1, 1914, has been as follows:

|                                       |             |
|---------------------------------------|-------------|
| Sales .....                           | \$6,705 00  |
| Interments, Care, etc. ....           | 12,430 20   |
| Interest on Perpetual Care Fund ..... | 3,858 81    |
| Perpetual Care Fund .....             | 3,957 25    |
| Total .....                           | \$26,951 26 |

From the foregoing statement it will be noted that the department expended an unusually small sum for supplies, as the amount of \$1,161.06 was transferred to General Reserve Fund account by reason of the surplus.

The decrease in burials during the season has been very large, but this decrease has been generally noted in most of the cemeteries

in this vicinity. It has resulted, however, in a marked diminution of revenue from the sales of lots and graves.

The ordinary and usual routine of cemetery work has received careful attention and the splendid appearance of the grounds at Coolidge avenue warranted the praise which was freely bestowed by visitors.

The territory at the disposal of the board is gradually being laid out into lots for sale, and the Greenwood avenue section recently opened up for this purpose, is quite rapidly being secured by lot owners who consider this a most desirable portion of the grounds.

During the past year the sum of \$3,957.25 was added to the permanent fund for perpetual care, bringing this fund to the amount of \$105,008.87, which is invested in agreement with the requirements of the law.

From this fund there was credited to cemetery account the substantial sum of \$3,858.81 received as interest.

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On September 12, 1913, this board sustained a severe loss in the decease of Mr. William A. Bertsch, who had so acceptably and faithfully performed his duty as a member for a period of almost a quarter of a century. During all his career as a servant of the people he had given unstintingly of his time and effort, and he has left after him a record for unselfish interest in the public welfare that will remain as a splendid example for years to come.

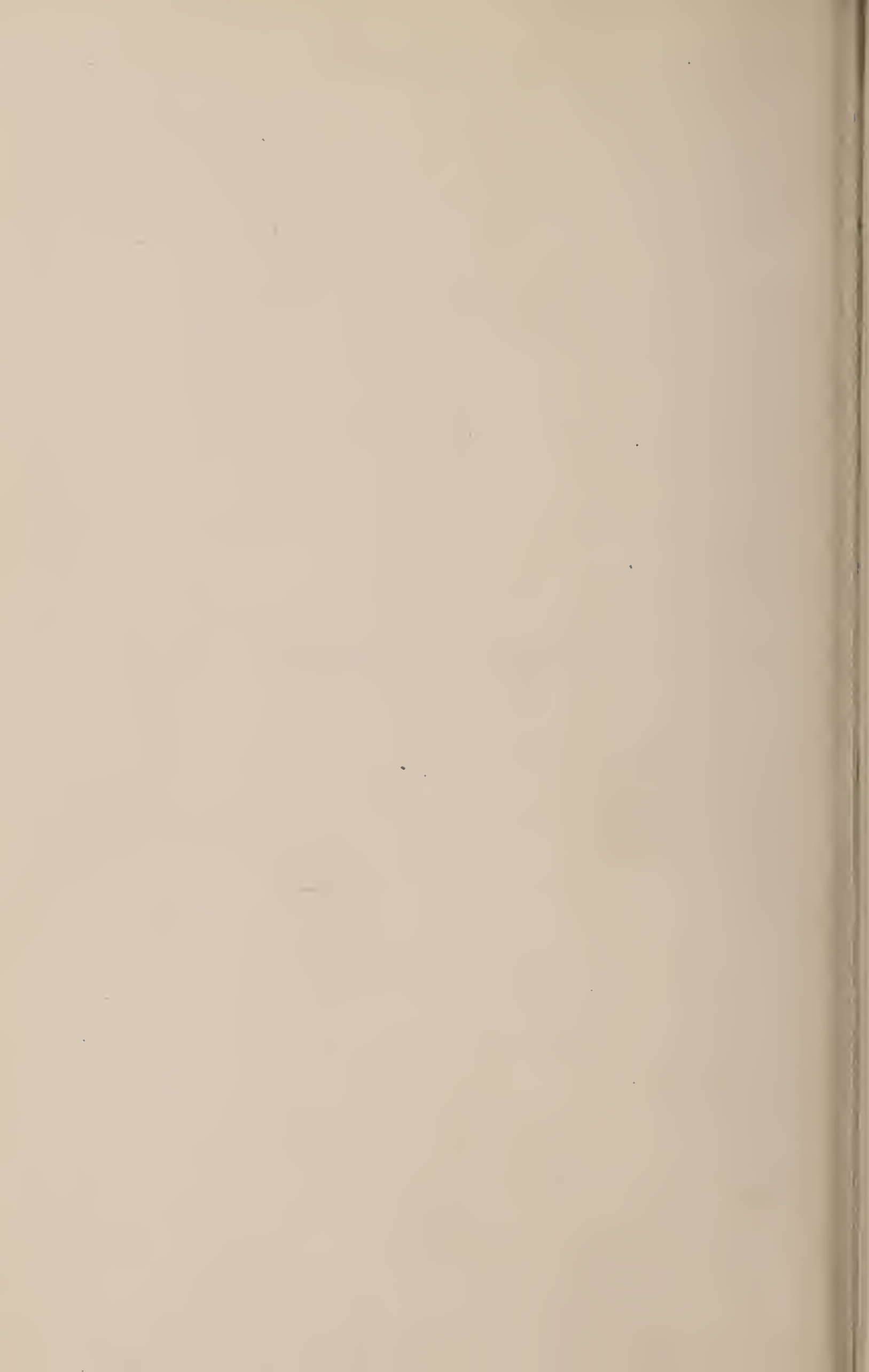
Mr. Thomas E. Williams was chosen as the successor of Mr. Bertsch and entered upon the duties of his position on December 19, 1913.

GEORGE T. QUINN, Chairman,  
— EBEN H. GOOGINS,  
TIMOTHY F. McCARTHY,  
JEREMIAH J. SULLIVAN,  
THOMAS E. WILLIAMS,

*Board of Cemetery Commissioners.*

# APPENDIX





# ORDINANCES

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## PASSED BETWEEN APRIL 1, 1913, AND APRIL 1, 1914, AND AMENDMENTS TO STANDING REGULATIONS OF BOARD OF ALDERMEN.

### AN ORDINANCE IN AMENDMENT OF AN ORDINANCE IN RELATION TO JUNK, OLD METALS, SECOND-HAND ARTICLES AND RAGS.

*Be it ordained by the City Council of the City of Cambridge as follows:*

Section 2 of Chapter 42 of the Revised Ordinances of 1892, as amended to November 8, 1899, and as further amended May 18, 1910, and January 23, 1911, is hereby amended by adding at the end thereof, the following:

“Nor shall such license be exercised on legal holidays.”  
[Approved June 27, 1913.]

### AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED “SEWER.”

*Be it ordained by the City Council of the City of Cambridge as follows:*

Section 3 of Chapter 23 of the Revised Ordinances of 1892 as amended to November 8, 1899, is hereby further amended as follows:

In the fourth line by striking out the words “annually, in the month of June,” by striking out in the ninth and tenth lines the words “for one year from the time of his appointment, or” so that said section will read as follows:

Section 3. The City Engineer shall have the general superintendence of all common sewers built or owned by the city, and of all connections built under the provisions of this chapter; and he shall appoint some competent person to take charge of such work of building, repairing and keeping the same in order, as may be required by the City Engineer, to whom he shall be subordinate. The person so appointed shall be styled “the Superintendent of Sewers,” shall hold office until his successor is chosen, and receive

such compensation as the Board of Aldermen may determine. Whenever the office of Superintendent of Sewers becomes vacant it shall be filled in like manner. [*Approved November 15, 1913.*]

AN ORDINANCE RELATIVE TO THE CREATION OF A PLANNING BOARD  
FOR THE CITY OF CAMBRIDGE.

*Be it ordained by the City Council of the City of Cambridge as follows:*

Section 1. The Planning Board of the City of Cambridge, to be established under the provisions of Chapter 494 of the Acts of the Year Nineteen Hundred and Thirteen, shall consist of five members. Said members shall be appointed by the Mayor, subject to confirmation by the Board of Aldermen.

The first appointments shall be made: one for a term ending with the first day of May, 1915; one for a term ending the first day of May, 1916; one for a term ending with the first day of May, 1917; one for a term ending with the first day of May, 1918; one for a term ending with the first day of May, 1919; and beginning with the year 1915 one member shall be appointed for a term of five years from the first day of May.

Section 2. Vacancies occurring in said Board shall be filled by appointment by the Mayor for the unexpired term subject to confirmation by the Board of Aldermen.

Section 3. The Board shall as soon as practicable after the appointment and confirmation of its members meet and organize by the selection of a chairman and a secretary.

Section 4. The Board shall have all powers and authority, and perform the duties set forth in said Chapter 494 of the Acts of the Year Nineteen Hundred and Thirteen relative to local Planning Boards. [*Approved January 9, 1914.*]

AN ORDINANCE IN AMENDMENT OF AN ORDINANCE ENTITLED WATER  
WORKS.

*Be it ordained by the City Council of the City of Cambridge as follows:*

Chapter 27 of the Revised Ordinances of 1892, as amended to November 8, 1899, and to March 10, 1911, is hereby further amended in Sections 3, 4, 10, 11, 12, 15, 16, 17, 19, 23, 24 and 26 as follows:—



Section 3, in the eleventh line thereof, after the letter "a" insert the word "chief."

Section 4, in the eighth line thereof, before the word "Superintendent" insert the word "Chief" and strike out the three words following the word "Superintendent."

Section 10, strike out the whole section and insert a new section as follows:

"The Board shall annually and upon the occurrence of a vacancy, appoint a general or chief superintendent, who shall be a citizen of Cambridge, and who shall hold office subject to removal by the Board, and who shall perform his duties under the direction of the Board. He shall have general control of all persons employed in the department, and shall have full charge of the aqueducts, reservoirs, storage basins and other works and property connected with the water works which may be required in conveying and distributing water to the City and its inhabitants. He shall annually in the first week in December present to the Board a report of the general condition of the works, and shall perform such further services in relation thereto as may be required of him by the Board."

Section 11, in the third line strike out the word "Board" and insert the words "chief superintendent" and strike out the rest of said section.

Section 12, strike out the word "registrar" in the first line and insert in place thereof the words "chief superintendent."

Section 15, in the second line strike out the word "registrar" and insert in place thereof the words "chief superintendent."

Section 16, in the first line strike out the word "registrar" and insert in place thereof the words "chief superintendent."

Section 17, in the first line strike out the words "the registrar shall keep," and insert in place thereof the words "the chief superintendent shall cause to be kept." In the seventh line strike out the word "registrar," and insert in place thereof the words "chief superintendent."

Section 19, in the seventh line strike out the word "registrar," and insert in place thereof the words "chief superintendent under the direction of the Board."

The regulations in said Section 19 to be amended as follows:

Regulation No. 3, strike out the word "registrar" in the seventh line and insert in place thereof the words "chief superintend-

ent.” Strike out the word “registrar” in the eighth line, and insert in place thereof the words “chief superintendent.”

Regulation No. 6, strike out the word “registrar” in the third line, and insert in place thereof the words “chief superintendent.”

Regulation No. 7, strike out in the first line the word “registrar,” and insert in place thereof the words “chief superintendent.” Strike out the word “registrar” in the fifth line, and insert in place thereof the words “chief superintendent shall under the direction of the Board.”

Section 23, strike out the first two lines and the first four words in the third line, and insert in place thereof the following: “The chief superintendent shall, under the direction of the Board, cause the annual bills for water rates to be issued and delivered”; and in the twelfth line strike out the word “registrar” and insert in place thereof the words “chief superintendent.”

Section 24, in the thirty-first line on page 153 strike out the word “registrar,” and insert in place thereof the words “chief superintendent under the direction of the Board.”

Section 26, in the first line strike out the word “registrar,” and insert in place thereof the words “chief superintendent.”

As amended the foregoing named sections and regulations will read as follows:—

Section 1. The water-works department shall be under the charge of the Cambridge Water Board, which shall consist of five persons, to be appointed by the Mayor, subject to the confirmation of the Board of Aldermen.

The Mayor shall annually, in the month of June, appoint, subject to the confirmation of the Board of Aldermen, one person to be a member of the Water Board, who shall hold office for the term of five years from the thirtieth day of June in the year of his appointment. A vacancy shall be filled in the same manner, and the person appointed to fill a vacancy shall hold office for the remainder of the term for which his predecessor was appointed. Said members shall, in addition to the above term, hold office until others are appointed in their places. No member of the City Council shall be appointed a member of this board.

Section 2. The president of the Water Board shall be elected by the board, and shall be one of the persons appointed as provided in the first section of this chapter. The board may choose a clerk,



and make such rules and regulations for its own government and in relation to all its officers as may be deemed expedient.

Section 3. The board, so constituted and organized, shall have and exercise all the powers vested in the City Council by the Legislature, by the one hundred and fifty-third chapter of the acts of the year eighteen hundred and sixty-five, and by the one hundred and sixty-fifth chapter of the acts of the year eighteen hundred and seventy-five, and by the two hundred and fifty-sixth chapter of the acts of the year eighteen hundred and eighty-four, and by the one hundred and thirty-seventh chapter of the acts of the year eighteen hundred and eighty-eight, and by any acts in addition to any of said acts, so far as the same can be legally delegated; and it may appoint a *chief* superintendent, water registrar, and all other subordinate agents and assistants, and fix their compensation and that of the clerk before mentioned, subject to the approval of the Committee on Finance, excepting those for police service. When such services are required, the Water Board shall apply to the chief of police for a detail of as many officers as it requires for patrol service in Cambridge, and while in the employ of said board the said officers shall be under the control of the Water Board and shall be paid by said board.

Section 4. The board, on or before the fifteenth day of December in each year, shall present to the City Council a report containing a statement of the condition of all the water-works and of the lands and other property connected therewith with an account of all receipts and expenditures and a schedule of property on hand, together with any information or suggestions which it may deem important; and shall at the same time transmit to the City Council the reports of the *chief* superintendent.

Section 5. The board may sell such of the personal property connected with the water-works as it may deem expedient, subject to the approval of the Mayor.

Section 6. The president of the board shall exercise a general supervision over all the water-works, and the materials and property connected therewith, and over all subordinate officers and agents. In case of his absence or inability, his duties may be performed by a president pro tempore, to be chosen by the board.

Section 7. The board shall have full power to make all necessary repairs, extensions or improvements on said works, and to provide new supply-pipes. All hydrants, stand-pipes and drink-



ing fountains, established by the city, shall be constructed, and all repairs upon such hydrants, stand-pipes and drinking fountains made, and the streets, when broken up, shall be again put in good order, to the satisfaction of the superintendent of streets, by and under the direction of the Water Board. The board shall have no power to expend any money, or to incur any debt, beyond the amount of appropriations made by the City Council.

Section 8. No member of the board, and no person appointed to any office or employed by virtue of this chapter, or of any of the acts of the Legislature mentioned in the third section of this chapter, shall be interested, directly or indirectly, in any contract, bargain, sale or agreement, in relation to the water-works, or any matter or thing connected therewith, wherein the city is interested; and any and all contracts, bargains, sales or agreements made in violation of this section shall be void as to the city.

Section 9. The board shall determine and assess the water-rates according to the tariff of rates adopted by the City Council, and shall have power to establish such regulations as it may deem expedient for the introduction and use of water; and the water shall not be supplied to any building unless the pipes and fixtures are made conformable to such regulations.

Section 10. The board shall annually and upon the occurrence of a vacancy appoint a general or chief superintendent, who shall be a citizen of Cambridge, and who shall hold office subject to removal by the board. He shall have general control of all persons employed in the department, and shall have full charge of the aqueducts, lands, reservoirs, storage basins and other works and property connected with the water works which may be required in conveying and distributing water to the city and its inhabitants. He shall annually, in the first week in December, present to the Board a report of the general condition of the works, and shall perform such further services in relation thereto as may be required of him by the board.

Section 11. The board shall annually elect a water registrar, who may at any time be removed by the board. He shall perform all such services as may be required of him by the chief superintendent.

Section 12. The chief superintendent, under the direction of the board, shall cause to be visited, once in each year, all premises

where the water is taken, and shall exercise a constant supervision over the use of the water.

Section 13. All moneys paid into the treasury on account of said works shall be placed to the credit of the water works, and shall not be paid out except under the provisions of this section and chapter four.

The Mayor may draw his draft for all sums of money becoming due for interest on the Cambridge water loan, and the amount so paid shall be charged to the water works. The treasurer shall annually, on or before the thirtieth day of November, pay over to the trustees of the sinking funds, provided in the first act named in the third section of this chapter, a sum not less than three and one half per cent. of the par value of the then outstanding water bonds.

Section 14. The annual rent for the use of the water shall be payable in advance, on the first day of May in each year. All charges for specific supplies, or for fractional parts of the year to May first, shall be payable in advance and before the water is let on.

Section 15. In all cases of non-payment of the water rent in thirty days after the same is due, the chief superintendent, under the direction of the board, shall cut off the supply; and the water shall not again be let on for the same occupant or owner, except upon the payment of the whole amount due, together with the costs as determined by the Water Board; provided, that in case of specific supplies, or for fractional parts of the year, when the water has been let on, it may be cut off immediately after notice given at the place that the rent is not paid, and may be let on again upon the conditions before mentioned. And the foregoing provisions shall apply when two or more parties take the water through the same service pipes, although one or more may have paid the proportion due from him or them.

All bills for water furnished by meter shall be payable quarterly; and if the same be not paid within twenty days after the end of the quarter the chief superintendent shall cut off the supply after sending a special notice that the water will be so cut off for non-payment.

Section 16. The chief superintendent, under the direction of the board, may make abatement in the water rents in all proper cases.



Section 17. The chief superintendent shall cause to be kept suitable books in which shall be entered the names of all persons who take the water, the kind of building, the name and number of the street, the nature of the use, the number of takers and the amount charged, the amounts of abatements, which shall always be open to the inspection of the board and any committee of the City Council. The chief superintendent shall, at the end of each year, report to the board:

1. The amount of bills sent to the treasurer.
2. The amount of abatements.
3. The amount of the uncollected bills.

Section 18. No person shall injure any public pipe, reservoir or fire hydrant connected with the water-works, or shall break and enter the same, or draw off or cause to be removed any of the water therefrom; or shall turn on or off the water in any such water pipe, reservoir or fire hydrant, or shall make an opening or connection with such pipe, reservoir or fire hydrant, or remove the cover of any hydrant, except in case of fire, without the license or permit of the Water Board, or by authority of the Mayor, and then only under the direction of the superintendent of the water-works, who shall provide competent men to perform the same; and the expense thereof shall be charged to the person or department applying for such license or permit.

Section 19. The following regulations shall be considered a part of the contract with every person who takes the water; and every such person, by taking the water, shall be considered to express his consent to be bound thereby. These regulations shall be printed upon every bill for water rent, and whenever any one of them is violated (notwithstanding two or more parties may receive the water through the same pipe) the chief superintendent, under the direction of the board, shall cause the water to be cut off, and it shall not be let on again except upon payment of two dollars and all chargeable rates; and further, in case of any such violation, the board may declare forfeited any payment made for the water by the person committing such violation, and the same shall thereupon be forfeited.

The regulations are as follows:

1. All persons taking the water shall, at their own expense, keep the service pipes within their premises in good repair and



protected from frost, and they will be held liable for all damage which may result from their failure to do so.

2. They shall prevent all unnecessary waste of water, and there shall be no concealment of the purposes for which it is used.

3. No alteration shall be made in any of the pipes or fixtures inserted by the city, except by its agents, who shall be allowed to enter the premises supplied, to examine the apparatus and to ascertain if there is any unnecessary waste; and no plumber or other person shall make any alteration or extension of the pipes in any house or on any premises without first giving notice to the chief superintendent, and procuring a written permit from him, which shall be returned to the chief superintendent within ten days after the completion of the work, endorsed with a statement of all fixtures added or removed. Any person violating this regulation shall be fined not more than twenty dollars.

4. No water shall be supplied to parties not entitled to the use of it under the city ordinances, unless by special permission.

5. Except as hereinafter provided, no connection of a fountain shall be made, directly or indirectly, with the water pipes of the city. Persons desiring water for fountain purposes shall make application in writing to the board, stating the number and size of the jets to be used, and the hours of the day and the months during which it is proposed to use the same. Upon such application the board shall fix the rate to be charged to the applicant, and the connection with the water pipes shall be made by and under the direction of the superintendent; it being understood and agreed that the water shall be employed exclusively for fountain purposes, unless supplied through a meter.

6. Whenever on account of non-occupancy of premises or non-use of water an abatement is desired, and notice thereof is given at the office of the chief superintendent, while the person liable for the water rates is in possession of the premises, the water shall be cut off by an employee of the board and an abatement made, less the charge of one dollar for cutting off; provided, that such seal-locks as may be adopted by the board may be placed upon faucets in tenements so connected with other tenements that they cannot be separately shut off in the street; but they shall not be put on in any house that can be so shut off from the street, except for particular fixtures. The charge for putting on such seal-locks shall be established by the board. Such seal-locks shall

not be taken off by any one except an employee of the board, on penalty of forfeiting all claims for allowance and having the water shut off from the premises.

7. The chief superintendent, with the necessary agents and assistants, may enter the premises of any water-taker to examine the quantity used and the manner of use, and to cut off the water for non-payment of rents or fines, or for any violation of these regulations. The chief superintendent shall, under direction of the board, make all water rate charges, excepting charges for metered water, to the owner of the property, and in every case the owner shall be liable for the water rates, except where the ownership is changed after water is shut off for non-payment, in which case the new owner shall be liable for the water-rates from the time when the water is again let on.

Section 20. An owner or occupant of the premises in which water furnished by the city is used, who fails to keep his service-pipes and fixtures in good order, and neglects to repair the same within three days after they have, from any cause, become defective, or who neglects to shut off the water after using it, so that it runs to waste, shall be liable to a fine of two dollars; and if such fine is not paid within two days from the time when the person incurring it receives notice that he is liable thereto, the water shall be cut off from his premises, and shall not be let on again until the waste is stopped and the fine paid, together with an additional sum of two dollars for cutting off and letting on the water; and in case of a second offence during the same year, a fine of four dollars shall be imposed, and if it is not paid within two days, as aforesaid, the water shall be cut off, and shall not be let on again until the cause of complaint is removed and the fine paid, together with two dollars for cutting off and letting on the water; and in case of a third offence, the water shall be cut off, and shall not be let on again except by a vote of the board and the payment of such fine, not exceeding ten dollars, as the board may impose.

Section 21. The board shall have the power to decide what shall be considered a waste or improper use of water, and to restrict the use thereof when it may deem it necessary; and if the water-taker refuses or neglects to comply with an order of the board, after notice given to him, the water may be cut off, and shall not again be let on, except by a vote of the board and the payment of such fine, not exceeding ten dollars, as the board may impose.



Section 22. The board shall have the power to restrict the use of hand-hose to such hours of the day as it may deem necessary; and for any violation of such restriction the occupant of the premises shall be liable to the penalties imposed in the preceding section for a waste or improper use of water.

Section 23. The chief superintendent shall, under the direction of the board, cause the annual bills for water rates to be issued and delivered on or before the tenth day of April in each year, and shall make out bills for all other amounts payable to the city on account of the water-works, and deliver the same to the treasurer, from time to time, as they may become due. All the bills so delivered by the water registrar shall be numbered to correspond with the number of the charge on his books.

A certificate of each and every abatement and refund shall be furnished by the registrar, which certificate shall be addressed to the treasurer, and shall state the account on which it is allowed, and the number of the bill. The chief superintendent shall, on the first day of every month, report in writing to the auditor the amount of the bills of each class placed in the hands of the treasurer for collection, and also the amount abated or ordered to be refunded, during the preceding month. Whenever it shall appear to the water registrar that an error has been made in the rates charged for any house or tenement whereby a larger amount has been charged than is required by section 24 of this chapter, he shall cause an abatement certificate to be made for the amount of excess charged, and forthwith transmit the same to the city treasurer, who shall send a corrected notice to the owner or the person to whom the rates are charged.

Section 24. (*No change in water rates.*) All bills for water furnished by meters shall be payable quarterly at the office of the city treasurer; and if the same be not paid within thirty days after the end of the quarter, the chief superintendent, under the direction of the board, is instructed to cut off the supply, after sending a special notice that the water will be cut off for non-payment, and the water shall not again be let on for the same occupant or owner, except upon the payment of the whole amount due, together with costs as determined by the Water Board.

When water is required for purposes which are not specified in the foregoing tariff, the rate shall be fixed by the board.



The board shall have the power to prevent the erection of yard hydrants, and water shall not be supplied to any water closets unless such water closets are constructed to conform to the plumbing ordinances.

Section 25. All water furnished by the city in its various departments shall be furnished free of charge.

Section 26. The police shall report to the chief superintendent all cases of leakage, waste or unnecessary profusion in the use of the water, and all violations of this chapter that may be brought to their notice.

Section 27. There shall be paid to the person chosen by the trustees of the sinking fund of the water works, as their secretary and treasurer, an annual salary of two hundred dollars. Said salary to be charged to the maintenance account of the water works.

Approved January 10, 1914.

REGULATIONS OF BOARD OF ALDERMEN FROM  
APRIL 1, 1913, TO APRIL 1, 1914.

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TRAFFIC REGULATIONS

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**Ordered:—**That the regulations hereinafter stated be and hereby are adopted as regulations of the Board of Aldermen for the use of streets, sidewalks and highways in the City of Cambridge, to wit:—

*Vehicles in Motion*

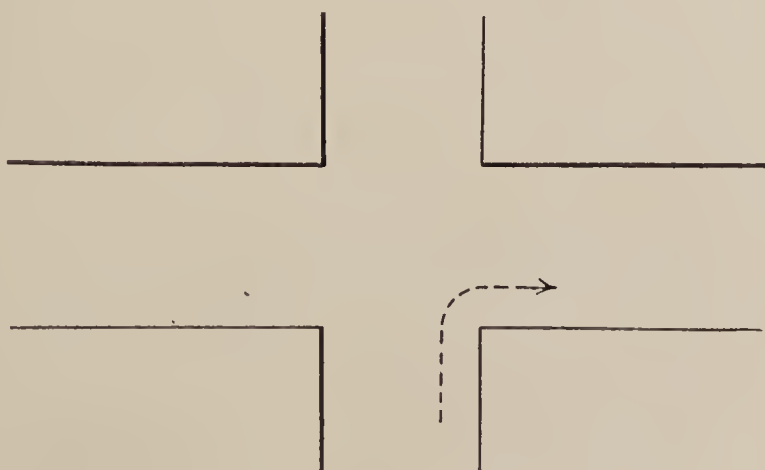
1. A person driving or controlling a vehicle, except when passing a vehicle ahead, shall keep to the right and as near the right curb as possible.

2. A person driving or controlling a vehicle on meeting another vehicle, shall pass on the right.

3. A person driving or controlling a vehicle on overtaking another vehicle shall, in passing, keep to the left, but it shall not leave the line of the right unless there is a clear way to advance on the left.

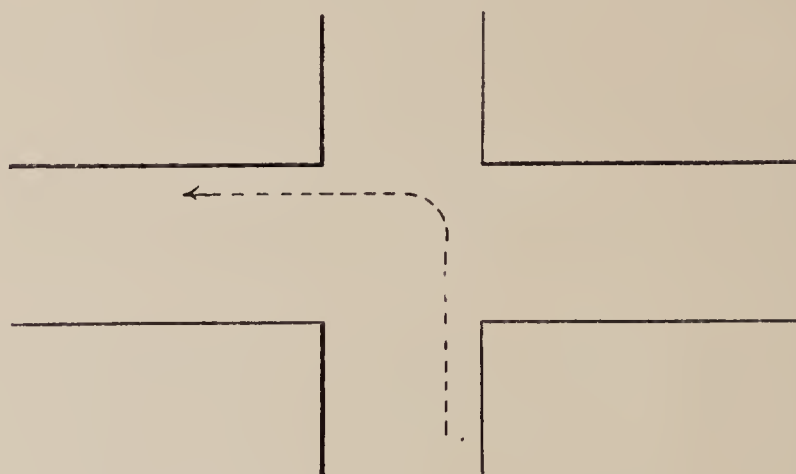
4. A person driving or controlling a vehicle in turning to the right into another street shall keep as near to the right curb as possible.

THUS:—

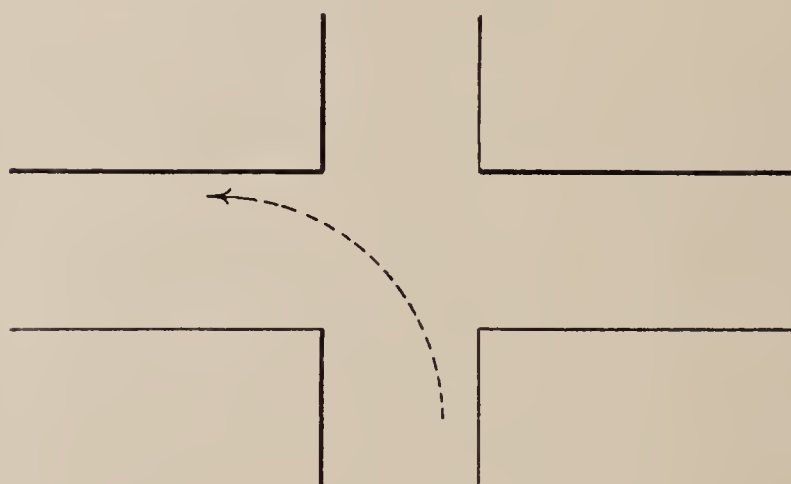


5. A person driving or controlling a vehicle in turning to the left into another street shall pass to the right of and beyond the centre of the intersecting street before turning.

THUS:—

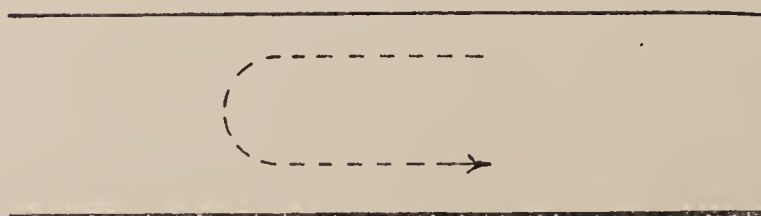


NOT THIS WAY:—

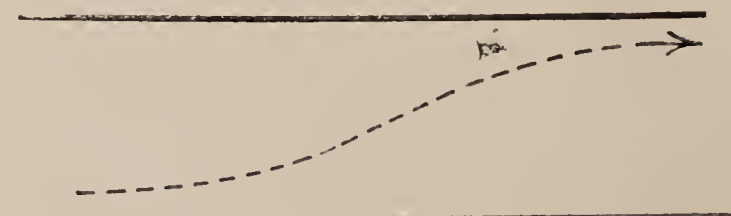


6. A person driving or controlling a vehicle on crossing from one side of the street to the other shall do so by turning to the left, and shall head in the general direction of traffic on that side of the street.

THUS:—



NOT THIS WAY:—





7. Persons driving or controlling slow moving vehicles shall keep as close as possible to the curb on the right, so as to allow faster moving vehicles free passage on the left.

8. No person having charge of a vehicle shall allow the same to come within ten feet of any vehicle in front of him when approaching and passing over a crossing, when a pedestrian is about to pass. This rule shall not apply where traffic is regulated by a police officer in uniform.

9. No person shall ride, drive or cause to be driven any horse or vehicle over that part of any street which is being mended, repaired or paved, if a watchman or signs are placed prohibiting the same.

10. Every person operating or controlling an automobile or vehicle shall follow the directions upon the signs placed, from time to time by the Superintendent of Streets upon, or at the intersection of, streets.

11. A driver of a vehicle moving in the same direction as a street car shall not allow his vehicle to pass nor to approach within fifteen (15) feet of such car while the car is stopping or stopped for the purpose of taking on or letting off a passenger nor within such distance of the place where a passenger shall have left such car until the passenger shall have reached a place of safety.

This regulation shall not apply where a driver can and does pass a street car without approaching within twenty (20) feet of it and with absolute safety to all persons and without interfering in any manner with a person crossing the roadway.

### *Signals*

12. Every driver of a vehicle shall, in slowing up or stopping, give a signal to those behind by raising or holding to the right or left a whip or hand.

13. In turning while in motion, or in starting to run from a standstill, a signal shall be given by the driver of the vehicle about to be turned by raising a whip or hand, indicating in which direction the turn is to be made.

14. Ample warning shall be given by voice or uplifted hand before backing, and while backing, unceasing vigilance must be exercised by the person driving any vehicle.

15. At all times drivers of vehicles must stop the same on a signal from a police officer in uniform.

16. A person driving or controlling a vehicle must stop same so as not to interfere with or prevent the passage of pedestrians at crossing.

### *Right of Way*

17. Fire Department, Police Ambulance and United States Mail vehicles shall have the right of way in any street and through any procession.

18. The driver of any vehicle proceeding on the track in front of a street car shall, as soon as possible, turn out on a signal by the motorman or conductor of the car.

19. A person driving or controlling a vehicle waiting at the curb, shall promptly give place to a vehicle about to take on or let off passengers.

### *Speed of Vehicles*

20. A person driving or controlling a vehicle on approaching a crossing of intersecting streets, also in traversing a crossing or an intersection of streets, he, in going around a corner or curve in the highway, shall not drive or move at a rate of speed other than what is reasonable and proper, having regard for the safety of the public, and in no event exceeding eight miles an hour.

### *Stopping, Standing and Turning*

21. No person driving or controlling a vehicle shall stop with its left side to the curb.

22. No person driving or controlling a vehicle shall permit it to remain backed up to the curb, except when actually loading or unloading.

23. No person driving or controlling a vehicle shall stop in any public street, except close to the curb, unless in an emergency or to allow another vehicle or a pedestrian to cross its way.

24. A person driving or controlling a vehicle shall not stop or stand within the intersection of any street, nor within ten feet of a street corner, nor on any cross walk, nor at a pole designated as a stopping place for street cars, except in case of an emergency or when directed to do so by a police officer in uniform.

25. No person having charge of a vehicle shall place the same

in any street so as to prevent or obstruct the passing of other vehicles or street cars.

26. No driver or person having charge of a vehicle in a street shall refuse or neglect to stop the same or place the same when and as directed by a police officer in uniform.

27. When a horse drawn vehicle is backed up to the curb, the driver or person in charge of the same shall turn the horse or horses so as to stand, so far as the vehicle will permit, parallel with the sidewalk and headed in the general direction of travel on the side of the street on which the vehicle is standing.

28. No person shall leave a horse or horses unattended in any street unless securely fastened by being tied to a post or weight, or unless one or more of the wheels of the vehicle to which the same is hitched is securely tied, fastened or chained, and the vehicle is of sufficient weight to prevent it being dragged at a dangerous speed with the wheel or wheels so secured.

29. A person driving or controlling a horse or vehicle shall not permit it to be driven, backed, led, moved, trundled or allowed to stand on any sidewalk except for the purpose of crossing the same when necessary, and then only in the shortest way from the street to the abutting estate.

30. Any police officer in uniform, in his discretion, may remove any horse, or horses, vehicle or vehicles left in any street not in the apparent charge of any driver or other person, or in violation of any of these regulations, to another place on such street or from such street to another street, or to the City Pound, or to a garage, and there leave the same.

### *Transfer of Merchandise*

31. Merchandise may be transferred from or to trucks or other vehicles over the sidewalk by the use of planks or skids, only when reasonably necessary, and provided the sidewalk is not unreasonably obstructed, and then only for such period of time as is necessary, and any police officer in uniform may order such skids or planks removed, and if not removed, he may remove or cause the same to be removed.

### *Care in Driving*

32. No person shall drive or conduct any vehicle in such



manner or in such condition or so constructed or so loaded as to be likely to cause delay to other vehicles or accident or injury to man, beast or property.

33. No person shall so load a vehicle with iron or other material that may strike together without properly deadening it so that it will cause no unnecessary noise.

34. No person shall crack or use a whip as to annoy, interfere with or endanger any person, or excite any horse other than that which he is using.

### *Parades*

35. No parade or procession shall occupy or march on any street to the exclusion or interruption of other persons in their individual right and use thereof, except Police and Fire Departments, the organized militia, or the organized naval forces, the independent chartered military organizations, the military and naval forces of the United States. Associations wholly composed of soldiers, sailors or marines honorably discharged from the services of the United States, veterans of the National Guard of Naval Militia, the organization of the order of the Sons of Veterans, unless written permit therefor be given by the Commissioner of Public Safety of the City of Cambridge, and said Commissioner of Public Safety may designate the time in which said street or parts of streets may be so occupied and how much of the street or streets such procession or parade may occupy, and when so designated the Chief Officer of such procession or parade shall be responsible that the designation is obeyed, and the Commissioner of Public Safety shall furnish such police escort as may be necessary to protect persons and property and maintain the public peace and order.

### *Definitions*

36. The word "vehicle" herein shall include horses hitched to vehicles, horses ridden or led, motor vehicles of all kinds, bicycles, tricycles propelled by hand and everything on wheels or runners, except street cars and light carriages for the conveyance of children.

37. The word "horse" herein shall include all domestic animals.

38. The word "driver" herein shall include the rider or driver of a horse, the rider of wheels, and the operator of a motor vehicle.

*Penalty*

39. Any person who violates any of the provisions of the foregoing regulations shall be punished by a fine not exceeding twenty dollars for each offence. [*Approved January 10, 1914.*]





# MAYORS OF THE CITY OF CAMBRIDGE

(From 1846 to 1914 inclusive)

|                       |       |           |          |           |                  |
|-----------------------|-------|-----------|----------|-----------|------------------|
| James D. Green        | ..... | From May, | 1846,    | to April, | 1848             |
| Sydney Willard        | ..... | “         | April,   | 1848,     | to April, 1851   |
| George Stevens        | ..... | “         | April,   | 1851,     | to April, 1853   |
| James D. Green        | ..... | “         | April,   | 1853,     | to April, 1854   |
| *Abraham Edwards      | ..... | “         | April,   | 1854,     | to January, 1855 |
| Zebina L. Raymond     | ..... | “         | January, | 1855,     | to January, 1856 |
| John Sargent          | ..... | “         | January, | 1856,     | to January, 1860 |
| †James D. Green       | ..... | “         | January, | 1860,     | to July 24, 1861 |
| §Charles Theo Russell | ..... | “         | July 31, | 1861,     | to January, 1863 |
| George C. Richardson  | ..... | “         | January, | 1863,     | to January, 1864 |
| Zebina L. Raymond     | ..... | “         | January, | 1864,     | to January, 1865 |
| J. Warren Merrill     | ..... | “         | January, | 1865,     | to January, 1867 |
| Ezra Pamenter         | ..... | “         | January, | 1867,     | to January, 1868 |
| Charles H. Saunders   | ..... | “         | January, | 1868,     | to January, 1870 |
| Hamlin R. Harding     | ..... | “         | January, | 1870,     | to January, 1872 |
| Henry O. Houghton     | ..... | “         | January, | 1872,     | to January, 1873 |
| Isaac Bradford        | ..... | “         | January, | 1873,     | to January, 1877 |
| Frank A. Allen        | ..... | “         | January, | 1877,     | to January, 1878 |
| Samuel L. Montague    | ..... | “         | January, | 1878,     | to January, 1880 |
| James M. W. Hall      | ..... | “         | January, | 1880,     | to January, 1881 |
| James A. Fox          | ..... | “         | January, | 1881,     | to January, 1885 |
| William E. Russell    | ..... | “         | January, | 1885,     | to January, 1889 |
| Henry H. Gilmore      | ..... | “         | January, | 1889,     | to January, 1891 |
| Alpheus B. Alger      | ..... | “         | January, | 1891,     | to January, 1893 |
| William A. Bancroft   | ..... | “         | January, | 1893,     | to January, 1897 |
| Alvin F. Sortwell     | ..... | “         | January, | 1897,     | to January, 1899 |
| Edgar R. Champlin     | ..... | “         | January, | 1899,     | to January, 1901 |
| David T. Dickinson    | ..... | “         | January, | 1901,     | to January, 1902 |
| John H. H. McNamee    | ..... | “         | January, | 1902,     | to January, 1904 |
| Augustine J. Daly     | ..... | “         | January, | 1904,     | to January, 1906 |
| Charles H. Thurston   | ..... | “         | January, | 1906,     | to January, 1907 |
| *Walter C. Wardwell   | ..... | “         | January, | 1907,     | to April, 1909   |
| William F. Brooks     | ..... | “         | April,   | 1909,     | to April, 1911   |
| J. Edward Barry       | ..... | “         | April,   | 1911,     | to April, 1914   |
| Timothy W. Good       | ..... | “         | April,   | 1914,     | to               |

\*Municipal year changed. †Resigned. §First elected by the City Council.

## PRESIDENTS OF THE BOARD OF ALDERMEN

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|      |                     |      |                   |
|------|---------------------|------|-------------------|
| 1888 | Edward W. Hincks    | 1902 | James F. Aylward  |
| 1889 | John H. Corcoran    | 1903 | *John W. Coveney  |
| 1890 | Alvin F. Sortwell   | 1903 | Timothy W. Good   |
| 1891 | William A. Bancroft | 1904 | John W. Coveney   |
| 1892 | William A. Bancroft | 1905 | J. Edward Barry   |
| 1893 | John F. Fairbairn   | 1906 | Charles H. Lake   |
| 1894 | John G. Thorogood   | 1907 | Charles H. Lake   |
| 1895 | John R. Fairbairn   | 1908 | Edward B. James   |
| 1896 | John R. Fairbairn   | 1909 | Edward B. James   |
| 1897 | Russell Bradford    | 1910 | Edward B. James   |
| 1898 | Russell Bradford    | 1911 | James T. Barrett  |
| 1899 | Walter C. Wardwell  | 1912 | James T. Barrett  |
| 1900 | Walter C. Wardwell  | 1913 | Peter J. Nelligan |
| 1901 | George E. Saunders  | 1914 | Peter J. Nelligan |

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\*John W. Coveney resigned March 10, 1903, and Timothy W. Good elected to the vacancy.

# PRESIDENTS OF THE COMMON COUNCIL

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|      |                          |      |                         |
|------|--------------------------|------|-------------------------|
| 1846 | *Isaac Livermore         | 1875 | George F. Piper         |
| 1847 | *John Sargent            | 1876 | Frank A. Allen          |
| 1848 | *John C. Dodge           | 1877 | *Perez G. Porter        |
| 1849 | *Samuel P. Heywood       | 1878 | *George S. Saunders     |
| 1850 | *Samuel P. Heywood       | 1879 | *George S. Saunders     |
| 1851 | *John S. Ladd            | 1880 | *Charles Walker         |
| 1852 | *John Sargent            | 1881 | *Charles Walker         |
| 1853 | *John Sargent            | 1882 | George H. Howard        |
| 1854 | *John C. Dodge           | 1883 | George H. Howard        |
| 1855 | *Alanson Bigelow         | 1884 | George H. Howard        |
| 1856 | *Ezra Ripley. Resigned   | 1885 | Cornelius G. H. Bennink |
|      | Elected January 31       | 1886 | John H. Corcoran        |
| 1856 | *George S. Saunders      | 1887 | John H. Corcoran        |
|      | Elected January 31       | 1888 | *Alvin F. Sortwell      |
| 1857 | *George S. Saunders      | 1889 | *Edward A. Bingham      |
| 1858 | *James C. Fisk           | 1890 | *Edward A. Bingham      |
| 1859 | *James C. Fisk           | 1891 | Edward C. Wheeler       |
| 1860 | *Hamlin R. Harding       | 1892 | Herbert A. Chase        |
| 1861 | *Hamlin R. Harding       | 1893 | J. Henry Russell        |
| 1862 | *Jared Shepard. Resigned | 1894 | Charles M. Conant       |
|      | September 17             | 1895 | *John L. Odiorne        |
| 1862 | *Knowlton S. Chaffee     | 1896 | *John L. Odiorne        |
|      | Elected September 24     | 1897 | Albert S. Apsey         |
| 1863 | *George S. Saunders      | 1898 | George S. Saunders      |
| 1864 | *George S. Saunders      | 1899 | William F. Brooks       |
| 1865 | *John S. March           | 1900 | John D. Merrill         |
| 1866 | *John S. March           | 1901 | John D. Merrill         |
| 1867 | *Marshall T. Bigelow     | 1902 | *Thorndike Spalding     |
| 1868 | *Knowlton S. Chaffee     | 1903 | Edward E. Clark         |
|      | Resigned February 4      | 1904 | Harry N. Stearns        |
| 1868 | *Henry W. Muzzey         | 1905 | George A. Giles         |
|      | Elected February 4       | 1906 | George A. Giles         |

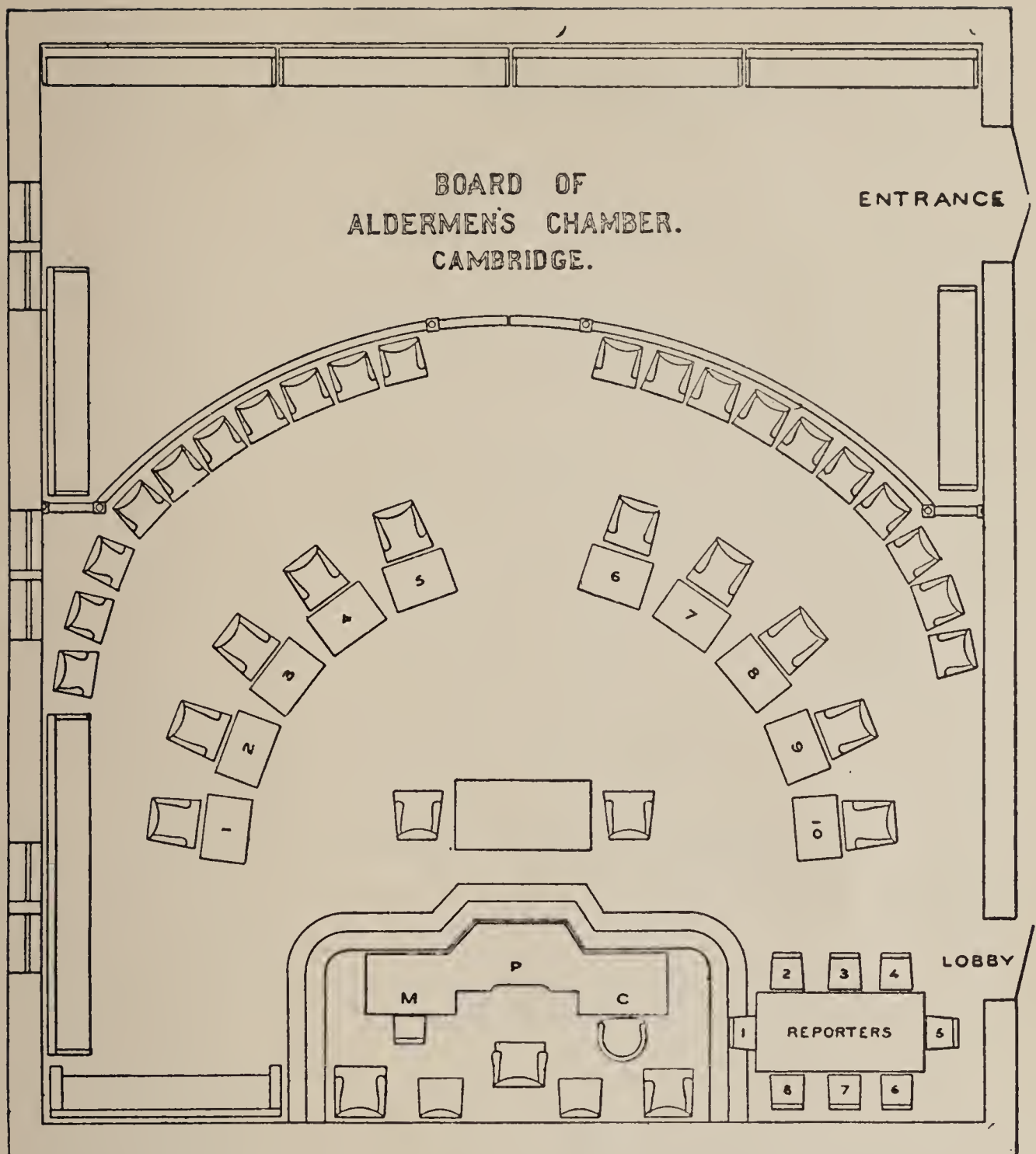


|      |                     |      |                    |
|------|---------------------|------|--------------------|
| 1869 | *Henry W. Muzzey    | 1907 | *Henry C. Stetson  |
| 1870 | *Joseph H. Converse | 1907 | †Robert W. Hunter  |
| 1871 | *Joseph H. Converse | 1908 | Henry J. Winslow   |
| 1872 | *Alvaro Blodgett    | 1909 | Jesse W. Moreland  |
| 1873 | *Alvaro Blodgett    | 1910 | Irving N. Linnell  |
|      | Resigned June 17    | 1911 | Frederick H. Burke |
| 1873 | Francis H. Whitman  | 1912 | Timothy J. Horan   |
|      | Elected June 17     | 1913 | John H. Lynch      |
| 1874 | George F. Piper     | 1914 | Frank J. Lehan     |

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\*Deceased.

†Elected to fill vacancy.



**KEY TO**  
Board of Aldermen's Chamber  
Cambridge  
1914

P—PETER J. NELLIGAN, *President*

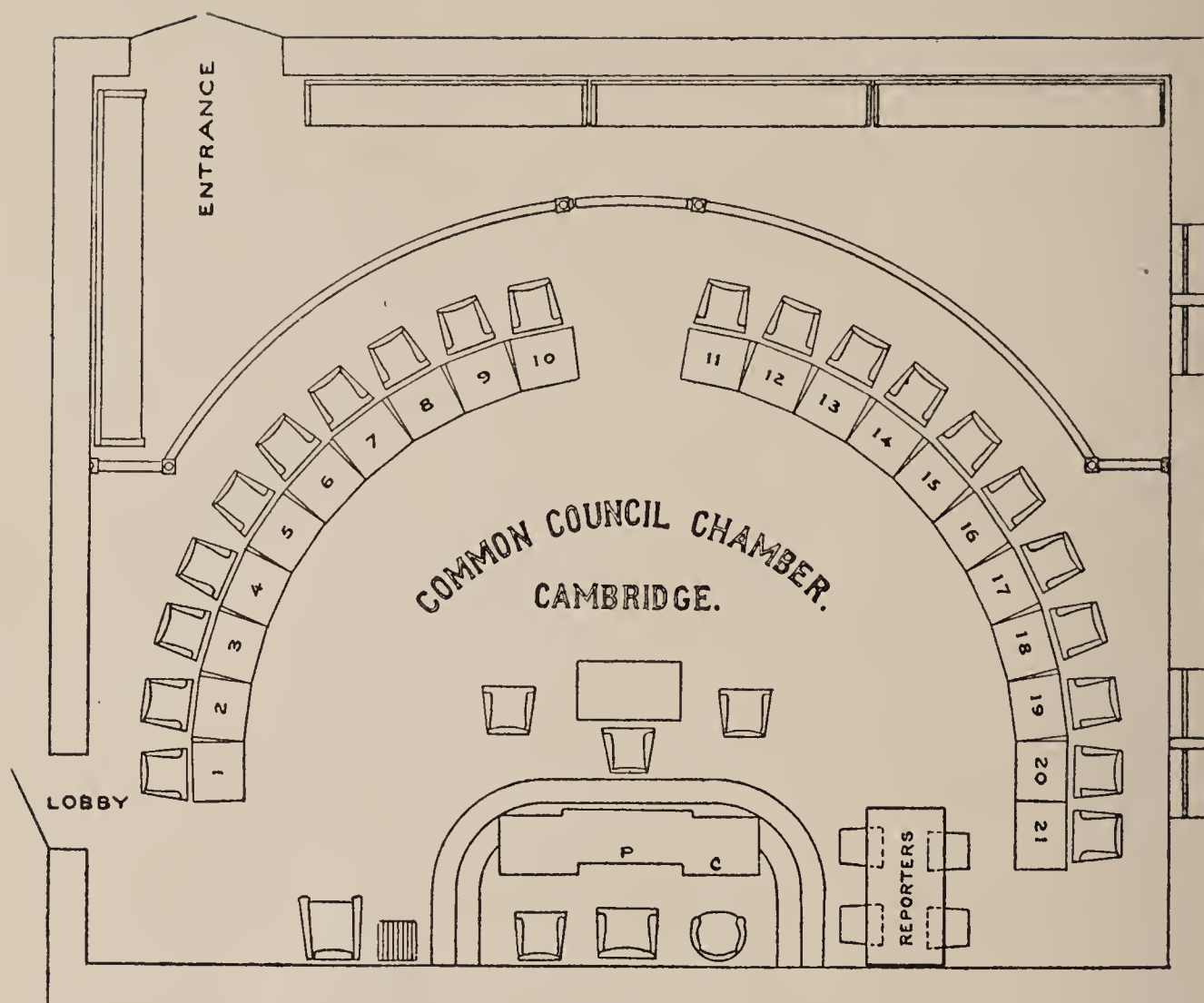
- |                    |                      |
|--------------------|----------------------|
| 1. Alderman McAvoy | 6. Alderman McDonald |
| 2. " Curtin        | 7. " Danehy          |
| 3. " Murphy        | 8. " Good            |
| 4. " Delehanty     | 9. " Mullen          |
| 5. " Gaffney       | 10. " Reed           |

C—Edward J. Brandon, *City Clerk*

M—A. Frank Montgomery, *City Messenger*

*Reporters*

- |   |   |
|---|---|
| 1. James W. Bean, Boston Globe          | 5. James W. Bean, Cambridge Chronicle   |
| 2. J. Lee Robinson, Cambridge Tribune   | 6. Herbert W. Cooke, Cambridge Times    |
| 3. Harry J. Mahoney, Cambridge Sentinel | 7. John J. Scott, Cambridge Recorder    |
| 4. Charles A. Lincoln, Boston Post      | 8. Russell D. Crane, Cambridge Standard |



**KEY TO  
Common Council Chamber  
Cambridge  
1914**

P—FRANK J. LEHAN

|                      |                           |
|----------------------|---------------------------|
| 1. Councilman Mullen | 12. Councilman Cunningham |
| 2. " C. D. Crowley   | 13. " Nash                |
| 3. " Edwards         | 14. " Apted               |
| 4. " Foley           | 15. " Bradbury            |
| 5. " Lamb            | 16. " McNamara            |
| 6. " McCarthy        | 17. " McMenimen           |
| 7. " Murphy          | 18. " J. L. Crowley       |
| 8. " Alphen          | 19. " Shannon             |
| 9. " Austin          | 20. " Kelleher            |
| 10. " Whalen         | 21. " Lynch               |
| 11. " Mulhern        |                           |

C—Edward A. Counihan, *Clerk*

George T. Dooley, *Page*

*Reporters*

Charles F. Manning, Boston Globe and  
Cambridge Chronicle  
———, Cambridge Tribune  
Thomas P. Curtin, Cambridge Times

Edward T. Sennott, Cambridge Recorder  
John J. Kelley, Cambridge Sentinel  
Frank J. Flaherty, Cambridge Standard



# CITY GOVERNMENT

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## Mayor

TIMOTHY W. GOOD, 20 Forest Street

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## Board of Aldermen

### *President*

PETER J. NELLIGAN

|                           |                            |        |
|---------------------------|----------------------------|--------|
| John C. Curtin . . .      | 103 Cushing Street . . .   | Ward 9 |
| William Danehy . . .      | 1 Wadsworth Street . . .   | " 4    |
| Thomas E. Delehanty . . . | 153 Allston Street . . .   | " 5    |
| Charles H. Gaffney . . .  | 204 Third Street . . .     | " 1    |
| John P. Good . . .        | 106 Oxford Street . . .    | " 10   |
| Frank J. McAvoy . . .     | 116 Berkshire Street . . . | " 3    |
| John L. McDonald . . .    | 181 Putnam Avenue . . .    | " 8    |
| Hugh E. Mullen . . .      | 379 Norfolk Street . . .   | " 3    |
| Charles F. Murphy . . .   | 43 Harding Street . . .    | " 3    |
| Peter J. Nelligan . . .   | 23 Rindge Avenue . . .     | " 11   |
| Joseph J. Reed . . .      | 25 Hunting Street . . .    | " 3    |

### *Clerk*

EDWARD J. BRANDON

### *Messenger*

A. FRANK MONTGOMERY

Regular meetings on Tuesday evenings at 8 o'clock.

**Common Council***President*

FRANK J. LEHAN

|                          |                           |        |
|--------------------------|---------------------------|--------|
| Michael F. Alphen .      | 80 Kinnaird Street .      | Ward 7 |
| Charles R. Apter .       | 31A Sacramento Street .   | " 10   |
| Francis B. Austin .      | 102 Holworthy Street .    | " 9    |
| Harold M. Bradbury .     | 276 Pearl Street .        | " 6    |
| Cornelius D. Crowley .   | 67 Moore Street .         | " 4    |
| John L. Crowley .        | 227 Cambridge Street .    | " 1    |
| James M. Cunningham .    | 1802 Massachusetts Ave. . | " 10   |
| Edwin D. Edwards .       | 57 Putnam Avenue .        | " 8    |
| John J. Foley .          | 2472 Massachusetts Ave. . | " 11   |
| Dennis P. Kelleher .     | 49 Webster Avenue .       | " 4    |
| Joseph H. Lamb .         | 833 Main Street .         | " 6    |
| Frank J. Lehan .         | 75 Thorndike Street .     | " 1    |
| William J. Lynch .       | 55 Cedar Street .         | " 11   |
| John J. McCarthy .       | 31 Putnam Avenue .        | " 8    |
| William R. McMenimen .   | 108 Spring Street .       | " 2    |
| Thomas F. McNamara .     | 130 Willow Street .       | " 3    |
| James F. Mulhern .       | 131 Antrim Street .       | " 5    |
| William D. Mullen .      | 207½ Charles Street .     | " 2    |
| Edward F. Murphy .       | 28 Hayes Street .         | " 7    |
| Nathaniel C. Nash, Jr. . | 1 Reservoir Street .      | " 9    |
| Michael W. Shannon .     | 188 Hampshire Street .    | " 5    |
| James F. Whalen .        | 356 Windsor Street .      | " 3    |

*Clerk*

EDWARD A. COUNIHAN

*Page*

GEORGE T. DOOLEY

Regular meetings on Tuesday evenings at 8 o'clock.

## JOINT STANDING COMMITTEES OF THE CITY COUNCIL.

*Accounts.* Aldermen Delehanty and Curtin; Councilmen Austin, Lynch and McCarthy.

*Assessors' Department.* Aldermen McAvoy and Good; Councilmen Mullen and Edwards.

*City Engineering.* Aldermen Curtin and Delehanty; Councilmen Alphen, Cunningham and Kelleher.

*City Home.* Aldermen Good and Curtin; Councilmen J. Crowley, Shannon and McMenimen.

*Claims.* President Nelligan, Aldermen McAvoy, Good and Curtin; President Lehan and Councilmen Kelleher, Foley, C. Crowley, Bradbury and Austin.

*Finance.* President Nelligan, Aldermen Good, Danehy and McDonald; President Lehan, Councilmen Mullen, Whalen, Kelleher, McMenimen and J. Crowley.

*Public Safety.* Aldermen Danehy, Delehanty and Good; Councilmen McNamara, Shannon and J. Crowley.

*Health.* Aldermen Curtin and Good; Councilmen Apted, Bradbury and Cunningham.

*Highways.* Aldermen Danehy, McDonald and Delehanty; Councilmen Edwards, Mullen, Shannon and McNamara.

*Legal Matters.* Aldermen Delehanty and Danehy; Councilmen Mulhern, Nash and McMenimen.

*Legislative Matters.* President Nelligan, Aldermen McDonald, Curtin and Good; President Lehan and Councilmen Mulhern, Edwards, McNamara, C. Crowley and Nash.

*Ordinances.* Aldermen Good and Curtin; Councilmen Lehan, Mullen and Shannon.



*Parks.* Aldermen Good and McAvoy; Councilmen C. Crowley, Alphen and Foley.

*Printing.* Aldermen McAvoy and Danehy; Councilmen Lynch, Lamb and Foley.

*Public Instruction.* Aldermen McAvoy and Curtin; Councilmen Murphy, McCarthy and Apted.

*Public Property.* Aldermen Good and Delehanty; Councilmen McMenimen, J. Crowley and Whalen.

*Rules and Orders.* Aldermen Curtin and Delehanty, Councilmen Whalen, Apted and Mulhern.

*Water Supply.* Aldermen Curtin and McAvoy; Councilmen Whalen, J. Crowley and Edwards.

*Wires and Lamps.* Aldermen Good and Delehanty; President Lehan and Councilmen Alphen and Mulhern.

#### STANDING COMMITTEES OF THE BOARD OF ALDERMEN

*Bonds.* Aldermen Delehanty, Good and Danehy.

*Cemeteries.* President Nelligan, Aldermen Good and Danehy.

*Health.* Aldermen Curtin, Good and McAvoy.

*Highways.* Aldermen Danehy, McDonald and Delehanty.

*Licenses.* Aldermen McDonald, Danehy and McAvoy.

*Parks.* Aldermen Good, McAvoy and Curtin.

*Rules and Orders.* Aldermen Curtin, Danehy and Delehanty.

*Sewers.* Aldermen McDonald, McAvoy and Curtin.

*Soldiers' Aid.* President Nelligan, Aldermen Good, Danehy, McDonald and McAvoy.

*Street Railways.* Aldermen Curtin, Delehanty and Good.

## JOINT SPECIAL COMMITTEES

*Mayor's Inaugural Address.* Aldermen McDonald and Reed; Councilmen C. Crowley, Foley and Apted.

*Matters from Last Board of Aldermen.* Aldermen Mullen and Curtin.

*Matters from Last City Council.* Aldermen McDonald and Delehanty; Councilmen Kelleher, Bradbury and McNamara.

*Funeral of Daniel A. Haggerty.* Aldermen McAvoy, Delehanty and McDonald; Councilmen Foley, Whalen, McNamara, J. Crowley, McMenimen.

*Independence Day.* Aldermen McDonald, McAvoy and Delehanty; President Lehan and Councilmen J. Crowley, Mullen, McMenimen, Whalen, McNamara, Kelleher, C. Crowley, Shannon, Mulhern, Alphen, Edwards, Austin, Nash, Foley.

*Investigation of Electrical Department.* Aldermen Danehy and Curtin; Councilmen Whalen, J. Crowley and Mulhern.

*Conference Boston Elevated Railway Company.* Aldermen Good and Danehy; Councilmen Mullen, McNamara and Edwards.

*Amendments to City Charter.* Aldermen McDonald and Curtin; Councilmen J. Crowley, C. Crowley and Mulhern.

*General Repair Shop.* Aldermen Good and Delehanty; Councilmen Whalen, C. Crowley and Murphy.

*Shipping in Charles River Basin.* Aldermen McAvoy and Delehanty; Councilmen Lehan, McMenimen and Kelleher.

*Resolutions on Daniel A. Haggerty.* Aldermen McAvoy and Delehanty; Councilmen Foley, Whalen, McNamara, J. Crowley and McMenimen.

*Investigation of City Home.* Aldermen Good, Danehy and Delehanty; Councilmen Mullen, J. Crowley, Shannon, McMenimen, Apted and Foley.

*Investigation of Office of City Physician.* Aldermen Good, Danehy and Delehanty; Councilmen Mullen, J. Crowley, Shannon, McMenimen, Apted and Foley.

## STANDING COMMITTEES OF THE COMMON COUNCIL

*Rules and Orders.* Councilmen Whalen, Kelleher and Mulhern.

*Elections and Returns.* Councilmen Murphy, Apted and Lamb.

*Bills in Second Reading.* Councilmen Kelleher, McNamara and Foley.

*Enrolled Ordinances.* Councilmen Lehan, Mullen and Shannon.

## COMMITTEE APPOINTMENTS OF MEMBERS OF THE BOARD OF ALDERMEN.

*Alderman President Nelligan.* Claims, Finance, Legislative Matters, Cemeteries, Soldiers' Aid.

*Alderman Curtin.* Accounts, City Engineering, City Home, Claims, Health (Joint and of Aldermen), Legislative Matters, Ordinances, Public Instruction, Rules and Orders, Water Supply, Parks (of Aldermen), Sewers, Street Railways, Matters from Last Board of Aldermen, Investigation of Electrical Department, Amendments to City Charter.

*Alderman Danehy.* Finance, Public Safety, Highways, Legal Matters, Printing, Bonds, Cemeteries, Licenses, Rules and Orders, Soldiers' Aid, Highways, Investigation of the Electrical Department, Conference on Boston Elevated Railway Company, Investigation of City Home, Investigation of Office of City Physician.



*Alderman Delehanty.* Accounts, City Engineering, Public Safety, Highways, Legal Matters, Rules and Orders, Wires and Lamps, Bonds, Street Railways, Highways, Matters Referred from Last City Council, Funeral of Daniel A. Haggerty, Independence Day, General Repair Shop, Shipping in Charles River Basin, Resolutions on Daniel A. Haggerty, Investigation of City Home, Investigation of Office of City Physician, Public Property.

*\*Alderman Gaffney.*

*Alderman Good.* Assessors' Department, City Home, Claims, Finance, Health (Joint and of Aldermen), Ordinances, Parks (Joint and of Aldermen), Public Property, Wires and Lamps, Bonds, Cemeteries, Soldiers' Aid, Street Railways, Conference on Boston Elevated Railway Company, General Repair Shop, Investigation of City Home, Investigation of Office of City Physician, Public Safety, Legislative Matters.

*Alderman McAvoy.* Assessors' Department, Claims, Parks, (Joint and of Aldermen), Printing, Water Supply, Health (of Aldermen), Licenses, Sewers, Soldiers' Aid, Funeral of Daniel A. Haggerty, Independence Day, Shipping in Charles River Basin, Resolutions on Daniel A. Haggerty, Public Instruction.

*Alderman McDonald.* Finance, Highways, Legislative Matters, Licenses, Rules and Orders, Sewers, Soldiers' Aid, Highways, Mayor's Inaugural Address, Matters Referred from Last City Council, Funeral of Daniel A. Haggerty, Independence Day, Amendments to City Charter.

*\*Alderman Mullen.* Matters from last Board of Aldermen.

*\*Alderman Murphy.*

*\*Alderman Reed.* Mayor's Inaugural Address.

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\*Resigned from all committee appointments.

COMMITTEE APPOINTMENTS OF MEMBERS OF THE  
COMMON COUNCIL

*President Lehan.* Claims, Finance, Legislative Matters, Ordinances, Wires and Lamps, Enrolled Ordinances, Shipping in Charles River Basin.

*Councilman Alphen.* City Engineering, Parks, Wires and Lamps, Independence Day.

*Councilman Apted.* Health, Public Instruction, Rules and Orders, Elections and Returns, Mayor's Inaugural Address, Investigation of City Home, Investigation of Office of City Physician.

*Councilman Austin.* Accounts, Claims, Independence Day.

*Councilman Bradbury.* Claims, Health.

*Councilman C. D. Crowley.* Claims, Legislative Matters, Parks, Mayor's Inaugural Address, Independence Day, Amendments to City Charter, General Repair Shop.

*Councilman J. L. Crowley.* City Home, Finance, Public Safety, Public Property, Water Supply, Funeral of Daniel A. Haggerty, Independence Day, Amendments to City Charter, Resolutions on the Death of Daniel A. Haggerty, Investigation of Electrical Department, Investigation of City Home, Investigation of Office of City Physician.

*Councilman Cunningham.* City Engineering, Health.

*Councilman Edwards.* Assessors' Department, Highways, Legislative Matters, Water Supply, Independence Day, Conference on Boston Elevated Railway Company.

*Councilman Foley.* Claims, Parks, Printing, Bills in Second Reading, Mayor's Inaugural Address, Matters from Last City Council, Funeral of Daniel A. Haggerty, Independence Day, Resolutions on Death of Daniel A. Haggerty, Investigation of City Home, Investigation of Office of City Physician.

*Councilman Kelleher.* City Engineering, Claims, Finance, Rules and Orders, Bills in Second Reading, Matters from Last City Council, Independence Day, Shipping in Charles River Basin.

*Councilman Lamb.* Printing, Elections and Returns.

*Councilman Lynch.* Accounts, Printing.

*Councilman McCarthy.* Accounts, Public Instruction.

*Councilman McMenimen.* City Home, Finance, Legal Matters, Public Property, Funeral of Daniel A. Haggerty, Independence Day, Shipping in Charles River Basin, Resolutions on the Death of Daniel A. Haggerty, Investigation of City Home, Investigation of Office of City Physician.

*Councilman McNamara.* Public Safety, Highways, Legislative Matters, Bills in Second Reading, Matters from Last City Council, Funeral of Daniel A. Haggerty, Independence Day, Conference on Boston Elevated Railway Company, Resolutions on the Death of Daniel A. Haggerty.

*Councilman Mulhern.* Legal Matters, Legislative Matters, Rules and Orders, Wires and Lamps, Independence Day, Amendments to City Charter, Investigation of Electrical Department.

*Councilman Mullen.* Assessors' Department, Finance, Highways, Ordinances, Enrolled Ordinances, Independence Day, Investigation of the Electrical Department, Conference on Boston Elevated Railway Company, Investigation of City Home, Investigation of Office of City Physician.

*Councilman Murphy.* Public Instruction, Elections and Returns, General Repair Shop.

*Councilman Nash.* Legal Matters, Legislative Matters, Independence Day.

*Councilman Shannon.* City Home, Public Safety, Highways, Ordinances, Enrolled Ordinances, Independence Day, Investigation of City Home, Investigation of Office of City Physician.

*Councilman Whalen.* Finance, Public Property, Rules and Orders, Water Supply, Funeral of Daniel A. Haggerty, Independence Day, Investigation of Electrical Department, Resolutions on the Death of Daniel A. Haggerty, General Repair Shop.



# DEPARTMENTS AND BOARDS

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## EXECUTIVE DEPARTMENT

TIMOTHY W. GOOD . . . . . *Mayor*

Edward A. Counihan . . . . . *Mayor's Clerk*

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 17 and 18, City Hall. Telephone 463.

---

## CITY CLERK DEPARTMENT

EDWARD J. BRANDON . . . . . *City Clerk*

Thomas J. Conrick . . . . . *Assistant City Clerk*

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 8 and 9, City Hall. Telephone 419.

---

## TREASURY DEPARTMENT

HENRY F. LEHAN . . . . . *City Treasurer and Collector of Taxes*

Office Hours. 8 A. M. to 2 P. M.

Office, Rooms 3 and 4, City Hall. Telephone 602.

---

## AUDITING DEPARTMENT

CHARLES H. THURSTON . . . . . *City Auditor*

Office Hours: 8 A. M. to 2 P. M.

Office, Rooms 1 and 2, City Hall. Telephone 1001.

---

## CLERK OF COMMITTEES DEPARTMENT

DANIEL J. TOOMEY . . . . . *Clerk of Committees*

Eben W. Pike . . . . . *Assistant*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 16, City Hall. Telephone 818.

## CITY MESSENGER DEPARTMENT

A. FRANK MONTGOMERY . . . *City Messenger*George T. Dooley . . . *Assistant*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 20, City Hall. Telephone 1900.

## LAW DEPARTMENT

JAMES F. AYLWARD . . . *City Solicitor*

Office Hours (at City Hall): 8 A. M. to 12 M.

Office, Room 17, City Hall. Telephone 463.

Boston Office, 542 Tremont Building. Telephone 168 Haymarket.

## ENGINEERING DEPARTMENT

LEWIS M. HASTINGS . . . *City Engineer*Thomas P. O'Neil . . . *Superintendent of Sewers*

Office Hours: 8 A. M. to 5 P. M.

Office, Rooms 30 and 31, City Hall. Telephone 471.

## INSPECTION, ETC., OF BUILDINGS DEPARTMENTS.

JEREMIAH F. DOWNEY,

*Superintendent of Public Buildings and Inspector of Buildings*John J. Terry } *Assistant Inspectors*

Leonard D. Garfield }

William A. Ford . . . *Inspector of Plumbing*Robert W. Welch . . . *Inspector*William J. Stenger . . . *Gas Inspector*William H. Sheridan . . . *Clerk*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

## STREET DEPARTMENT

EDWARD W. QUINN . . . *Superintendent of Streets*JOHN H. HOLT . . . *Clerk*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 4760.

HEALTH DEPARTMENT—BOARD OF HEALTH

|                              |                                |
|------------------------------|--------------------------------|
| JEREMIAH S. SULLIVAN . . .   | <i>Chairman</i>                |
| Term, three years.           |                                |
| JEREMIAH S. SULLIVAN . . .   | Term expires 1915              |
| GEORGE A. WHITE . . .        | Term expires 1916              |
| ELIE H. LA PIERRE . . .      | Term expires 1917              |
| BRADFORD H. PIERCE, M.D. . . | <i>Medical Inspector</i>       |
| KITTIE L. MAGOUN . . .       | <i>Secretary</i>               |
| JOHN D. CROWLEY . . .        | <i>Clerk</i>                   |
| WALTER C. FEELEY, M.D. . .   | <i>Bacteriologist</i>          |
| WILLIAM A. NOONAN, M.D. . .  | <i>Inspector of Milk</i>       |
| JOSEPH L. JOHNSON . . .      | <i>Inspector of Provisions</i> |

Office Hours: 8 A. M. to 4 P. M.

Rooms 25 and 26, City Hall. Telephone 345.

PUBLIC SAFETY DEPARTMENT

|                           |  |
|---------------------------|--|
| HENRY J. CUNNINGHAM . . . | <i>Commissioner</i>                              |
| MANUAL ANDREW . . .       | <i>Secretary</i>                                 |
| JOHN F. MURRAY . . .      | <i>Acting Chief of Police</i><br><i>Division</i> |
| NATHANIEL W. BUNKER . . . | <i>Chief of Fire Division</i>                    |
| JAMES M. CASEY . . .      | <i>Deputy Chief</i>                              |

Office Hours: 8 A. M. to 4 P. M.

Office, Room 23, City Hall. Telephone 4813.

ASSESSORS' DEPARTMENT

|                           |                   |
|---------------------------|-------------------|
| WILLIAM M. HOGAN . . .    | <i>Chairman</i>   |
| JAMES J. CASEY . . .      | <i>Secretary</i>  |
| Term, three years.        |                   |
| WILLIAM M. HOGAN . . .    | Term expires 1915 |
| JAMES J. CASEY . . .      | Term expires 1916 |
| BERNARD F. FALLON . . .   | Term expires 1917 |
| CARRIE A. ESTES . . .     | } <i>Clerks</i>   |
| GENEVIEVE G. HANNON . . . |                   |
| RUTH E. O'BRIEN . . .     |                   |

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 21 and 22, City Hall. Telephone 244.



## CITY ELECTRICAL DEPARTMENT

TIMOTHY C. O'HEARN . . . . . *City Electrician*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 28, City Hall. Telephone 125.

Central Fire Alarm Office. Telephone 363.

---

## INSPECTOR OF ANIMALS DEPARTMENT

DAVID L. BOLGER, M.D.V. . . . . *Inspector of Animals*

Residence, 35 Ash Street. Telephone 3550.

(No office or hours.)

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## BRIDGE DEPARTMENT

FRANCIS J. SMITH . . . . . *Bridge Commissioner*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 12, City Hall. Telephone 4760.

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## SEALER OF WEIGHTS AND MEASURES DEPARTMENT

FELIX C. McBRIDE . . . . . *Sealer*

Emery T. Morris } . . . . . *Deputy Sealers*

Hugh H. Healey } . . . . .

JOSEPH O'NEIL } . . . . . *Assistant Deputies*

EDWARD McBRIDE } . . . . .

Office Hours: Friday, 8 A. M. to 4 P. M. Saturdays, 8 A. M. to 12 M.

Office, Brattle Square Building. Telephone 509W.

---

## CITY PHYSICIAN

WILLIAM G. BROUSSEAU

Residence, 2222 Massachusetts Avenue. Telephone 1285.

Office, Central Square Building.

Office Hours: Daily, 9 to 11 A. M. Telephone 660.

FENCE VIEWERS

LEWIS M. HASTINGS . . . City Hall  
JEREMIAH F. DOWNEY . . . City Hall  
Telephones 471, 125.

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CAMBRIDGE INDUSTRIAL COMMISSION

EMERY H. MASTERS . . . *Chairman*  
JOSEPH M. DOLAN . . . *Secretary*  
JAMES J. SCULLY, from Board of Trade.  
EMERY H. MASTERS, from Taxpayers' Association.  
FRANCIS X. MASSE, from Harvard Square B. M. Association.  
MICHAEL D. COLLINS, from Central Labor Union.

At Large.

FORRIS W. NORRIS  
JOSEPH M. DOLAN  
THOMAS E. WILLIAMS

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CAMBRIDGE PLANNING BOARD

JOHN NOLEN . . . *Chairman*  
STELLA F. McKENZIE . . . *Secretary*  
ROBERT E. MARTIN . . . Term expires 1915  
HARRIS GINZBERG . . . Term expires 1916  
STELLA F. McKENZIE . . . Term expires 1917  
GEORGE F. McKELLEGETT . . . Term expires 1918  
JOHN NOLEN . . . Term expires 1919

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COMMISSION TO UNDERTAKE SANITARY SURVEY OF CITY OF CAMBRIDGE

PROF. GEORGE C. WHIPPLE . . . *Chairman*  
DR. BRADFORD H. PEIRCE . . . *Secretary*  
PROF. GEORGE C. WHIPPLE  
PROF. JAMES FORD  
DR. BRADFORD H. PEIRCE . . . *Medical Inspector*  
EDWARD W. QUINN . . . *Superintendent of Streets*  
LEWIS M. HASTINGS . . . *City Engineer*

## SCHOOL COMMITTEE

JOHN W. BRADLEY . . . . . *Chairman*  
 JOHN J. MAHONEY . . . . . *Secretary*

## At Large

John W. Bradley, 16 Leonard Avenue Term expires 1915  
 James B. Vallely, 39 Roseland Street Term expires 1917

## District No. 1

John F. Gadsby, 26 Willow Street Term expires 1915

## District No. 2

Dr. John E. Dwyer, 878 Massachusetts Avenue. Term expires 1917

## District No. 3

Florence Lee Whitman, 23 Everett Street Term expires 1916

*School Supply Agent*

CONSTANTINE J. CHURCH  
 Telephone 5606-5607.

*Superintendent of Schools*

MICHAEL E. FITZGERALD  
 JOHN J. MAHONEY, *Assistant*  
 Office Hours: 8.30 A. M. to 5 P. M.

Office, Rooms 13, 14 and 15, City Hall. Telephones 5606-5607.

## CEMETERY DEPARTMENT—CEMETERY COMMISSIONERS.

GEORGE T. QUINN . . . . . *Chairman*

Term, Three Years

JOHN S. SHERIDAN . . . . . Term expires 1915  
 GEORGE T. QUINN . . . . . Term expires 1915  
 JEREMIAH J. SULLIVAN . . . . . Term expires 1916  
 TIMOTHY F. MCCARTHY . . . . . Term expires 1916  
 THOMAS E. WILLIAMS . . . . . Term expires 1917  
 EBEN H. GOOGINS . . . . . Term expires 1917  
 EDWARD J. BRANDON . . . . . *Clerk of the Board*

Office, Rooms 8 and 9, City Hall. Telephone 419.

THOMAS J. CAVANAGH . . . . . *Supt. of the Cemetery*  
 JOHN J. MCKENZIE . . . . . *Clerk of the Cemetery*

Office Hours: At Cemetery, 8 A. M. to 5 P. M.

Office at Cemetery on Coolidge Avenue. Telephone 5.



PERSON TO CAUSE TO BE PROPERLY INTERRED THE BODIES OF SOLDIERS  
AND SAILORS

EBEN W. PIKE  
Office, Room 16, City Hall. Telephone 818.

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PUBLIC LIBRARY DEPARTMENT—TRUSTEES OF CAMBRIDGE PUBLIC  
LIBRARY

EDWARD P. COLLIER . . . . . *President*

For One Year

JOHN W. BRADLEY of School Committee

Citizens at Large. Term, Three Years

|                                  |                                |
|----------------------------------|--------------------------------|
| JOHN E. SOMERS. . . . .          | Term expires 1915              |
| EDWARD P. COLLIER . . . . .      | Term expires 1915              |
| JOSEPH L. P. ST. COEUR . . . . . | Term expires 1916              |
| WILLIAM J. E. SANDER . . . . .   | Term expires 1916              |
| THOMAS F. ATKINSON . . . . .     | Term expires 1917              |
| WILLIAM J. BARRY . . . . .       | Term expires 1917              |
| JOSEPH L. P. ST. COEUR . . . . . | <i>Treasurer</i>               |
| MATTHEW R. COPITHORNE . . . . .  | <i>Secretary and Librarian</i> |

Library open: 9 A. M. to 9 P. M. Reading Room: 9 A. M. to 9 P. M.  
Sunday, 2 to 9 P. M.  
Office at Library Building, Broadway, Irving and Trowbridge Streets.  
Telephone 610.

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CITY HOSPITAL DEPARTMENT—TRUSTEES OF CAMBRIDGE CITY HOSPITAL

|                              |                   |
|------------------------------|-------------------|
| CHARLES S. CAHILL . . . . .  | <i>Chairman</i>   |
| JOHN D. MERRILL . . . . .    | <i>Secretary</i>  |
| HUGH E. MCGOLDRICK . . . . . | Term expires 1915 |
| JOHN D. MERRILL . . . . .    | Term expires 1916 |
| CHARLES S. CAHILL . . . . .  | Term expires 1917 |
| JOHN H. HURLEY . . . . .     | Term expires 1918 |
| ISAAC MCLEAN . . . . .       | Term expires 1919 |

## WATER WORKS DEPARTMENT—CAMBRIDGE WATER BOARD

JAMES J. SCULLY . . . . . *President*

Term, Five Years

BERNARD E. McDERMOTT . . . . . Term expires 1915

JAMES J. SCULLY . . . . . Term expires 1916

JOHN P. CONROY . . . . . Term expires 1917

JOHN F. O'BRIEN . . . . . Term expires 1918

JOSEPH E. DOHERTY . . . . . Term expires 1919

WALTER H. HARDING . . . . . *Clerk of the Board*

EDWARD W. QUINN . . . . . *Supt. of Water Works*

WALTER H. HARDING . . . . . *Water Registrar*

Office Hours: 8 A. M. to 4 P. M.

Office, Rooms 5 and 6, City Hall. Telephone 430.

## REGISTRARS OF VOTERS

J. FRANK FACEY . . . . . *Chairman*

Term, Four Years

GUY R. MERRILL . . . . . Term expires 1915

JOHN P. McCORMICK . . . . . Term expires 1916

ALBERT H. HALL . . . . . Term expires 1917

J. FRANK FACEY . . . . . Term expires 1918

ALBERT H. HALL . . . . . *Clerk*

Office at Central Square Building. Telephone 1027.

## PARK DEPARTMENT—PARK COMMISSIONERS

DANIEL A. BUCKLEY . . . . . *President*

Term, Five Years.

JOHN T. SHEA . . . . . Term expires 1915

DANIEL A. BUCKLEY . . . . . Term expires 1916

DAVID J. NELLIGAN . . . . . Term expires 1917

JOHN J. AHERN . . . . . Term expires 1918

WILLIAM M. WADDEN . . . . . Term expires 1919

ROSE E. MANNING . . . . . *Secretary*

JOHN F. DONNELLY . . . . . *General Superintendent*

Office Hours: 8 A. M. to 4 P. M.

Office, Room 11, City Hall. Telephone 650-119.

## SINKING FUND DEPARTMENT—COMMISSIONERS OF THE SINKING FUND

GEORGE G. WRIGHT . . . *Chairman*

Term, Three Years

|                          |                   |
|--------------------------|-------------------|
| JAMES O'BRIEN . . .      | Term expires 1915 |
| GEORGE G. WRIGHT . . .   | Term expires 1915 |
| JOHN J. QUINLAN . . .    | Term expires 1916 |
| THOMAS F. ROYLE . . .    | Term expires 1916 |
| EDWARD N. MANNING . . .  | Term expires 1917 |
| HERBERT M. BRIDEY . . .  | Term expires 1917 |
| WILLIAM J. HOPKINS . . . | <i>Secretary</i>  |
| HENRY F. LEHAN . . .     | <i>Treasurer</i>  |

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## OVERSEERS OF THE POOR DEPARTMENT—OVERSEERS OF THE POOR

JOHN R. MCCOOL . . . *Chairman*

Term, Five Years

|                            |                           |
|----------------------------|---------------------------|
| JOHN R. MCCOOL . . .       | Term expires 1915         |
| FRANK McLAUGHLIN . . .     | Term expires 1916         |
| PATRICK J. CALLAGHAN . . . | Term expires 1917         |
| JAMES F. MULLEN . . .      | Term expires 1918         |
| GEORGE P. O'BRIEN . . .    | Term expires 1919         |
| JAMES E. FINNEGAN . . .    | <i>Secretary</i>          |
| CHARLES E. GOODROW . . .   | <i>Supt. of City Home</i> |

Office Hours, at Central Square Building, 8 A. M. to 4 P. M.

Telephones: Office 660; City Home 189.

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## BOARD OF APPEAL

CLARENCE H. BLACKALL . . . *Chairman*

Term, Three Years

Clarence H. Blackall (Architect)      John B. Byrne (Master Builder)  
    Harry N. Stearns

WILLIAM H. SHERIDAN . . . *Secretary*

Office, Room 28, City Hall. Telephone 125.



## AGENT FOR COMMITTEE ON SOLDIERS' AID

EBEN W. PIKE

Office Hours: 8 A. M. to 4 P. M.

Office, Room 16, City Hall. Telephone 818.

## TRUSTEES OF THE DOWSE INSTITUTE

FRANCIS G. PEABODY . . . *President*TIMOTHY W. GOOD, Mayor . . . *Ex-officio*FRANK J. LEHAN, Pres. Common Council *Ex-officio*

GEORGE HOWLAND COX . . . . . JOSEPH H. BEALE, JR.

FRANCIS G. PEABODY

JOSEPH H. BEALE, JR., . . . *Secretary*GEORGE HOWLAND COX . . . . . *Treasurer*TRUSTEES OF THE SANDERS TEMPERANCE FUND AND BRIDGE CHARITABLE  
FUNDTIMOTHY W. GOOD, *Mayor*

PETER J. NELLIGAN, President Board of Aldermen

FRANK J. LEHAN, President of Common Council, *ex-officiis*

## CIVIL SERVICE—LABOR DIVISION

HARRY L. LINCOLN . . . *Registration Clerk*

Office Hour: 4 P. M. daily. Except Saturday.

## PERSON TO RECEIVE INFORMATION OF DAMAGE BY DOGS

(Ch. 102, Sect. 151, Revised Laws.)

HENRY J. CUNNINGHAM

## POUND KEEPERS

JAMES F. GRAY

JOHN J. TOOMEY

## COMMITTEE FOR THE PRESERVATION OF FISH

THOMAS P. O'NEIL

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INSPECTORS OF JUNK SHOPS

Pawnbrokers' Shops and Second-Hand Stores and Dealers

JOHN J. McBRIDE

JOHN F. MURRAY

JAMES E. MURRAY

PATRICK J. HURLEY

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HAY WEIGHERS

FRANK W. BARTLETT

GEORGE M. DAVID

WILLIAM N. NEALLY

JOHN N. BOLSTER

---

INSPECTOR OF PRESSED OR BUNDLED HAY OR STRAW

HARVEY O. TITUS

---

PUBLIC WEIGHERS

Francis E. Bailey

Neil Macdonald

Robert C. Bird

Fred W. MacFarland

Ernest E. Bradbury

Melvin MacFarland

Harry Butland

Edward A. Mahoney

William A. Cheyne

William Maloney

Theodore P. Clark

Martin McMahon

Dennis T. Coffey

August Pawlowski

Ernest Croake

John F. Reilly

Clyde E. Crozier

Manuel M. Rogers

Edward B. Dale

Alexander Russell

Leonard Day

Mathieson L. Scorgie

William H. Delaney

John M. Thayer

John E. Foy

John J. Toomey

Frank Finnick

James J. Travers

Alexander S. Ford

Lawrence J. Twomey

John P. Healy

William Varney

Robert Holden

Orne Vose

John H. Holt

James A. Whelan

James Knowles

Harry F. Winlock

## MEASURERS OF GRAIN

EMERY T. MORRIS

FELIX McBRIDE

HUGH H. HEALEY

---

SURVEYOR OF MECHANICS' WORK

CHARLES A. MASON

---

KEEPER OF LOCK-UPS

HENRY J. CUNNINGHAM

---

CONSTABLES

(With power to serve civil process)

Stephen C. Bresnahan

Naz Kyan

Thomas J. Conroy

James E. Lennon

Gilmore B. Creelman

Herbert E. Martin

Frederick L. Donovan

Charles E. McCarthy

John Foster

George J. McNamara

Joseph Fox

Walter L. Potter

Albert Gertson

John Schmuck

John W. Jordan

James M. Shannon

Samuel S. Kenney

Arthur M. Stewart

---

CONSTABLES

(Without power to serve civil process)

Charles R. Apter

David D. Burns

Fred Bailey

Lucian S. Cabot

William Barber

Timothy A. Callaghan

John M. Brogan

John Francis Carlin

John J. Brownrigg

Patrick Carroll



John F. Connolly  
J. Joseph Corcoran  
Edward J. Cooper  
John J. Creedon  
Peter H. Curran  
Thomas Culhane  
James C. Doherty  
Charles R. Daisy  
Chas. H. Dolloff  
Thomas F. Donovan  
William F. Donovan  
Chas. Emerson  
Wm. G. England  
Eugene M. Flanagan  
James J. Foley  
Charles E. Getchell  
John Good  
Chas. E. Goodrow  
Frank A. Hagar  
Daniel Hanifen  
Joseph B. Hayes  
John Hayman  
Fred. M. Harrington  
Hugh H. Healey  
James Hicks  
Thomas A. Hughes  
Joseph James  
Hugh H. Keenan  
James R. Keough  
John J. Kelliher  
Dennis F. Kelly  
Joseph N. Lamb  
Joseph P. Lane  
Charles A. Lincoln  
Peter Malone  
Frank W. Marvin  
Felix C. McBride  
Charles P. McCoory  
John McDonald

Edward McMann  
George J. McNamara  
Charles E. McPeck  
William R. Mitchell  
Herbert Moore  
Emery T. Morris  
David J. Nelligan  
John P. Nelligan  
Michael C. Normile  
John O'Connor  
Thomas J. O'Connor  
Wm. H. Porter  
Burrill Ridley  
John J. Roach  
A. M. Rodgers  
Philip Russell  
Timothy J. Shine  
George W. Stanton  
William J. Sullivan  
John Taylor  
John M. Techa  
Fred. S. Tinkham  
George E. Verrill  
Edward F. Wadden  
Frank H. Wait  
Pacy Welch  
Edward F. Walsh  
Joel Melvin Wheeler  
Thomas Tevlin  
James D. Reddin  
Patrick F. Tobin  
James P. Harrington  
David U. Dashler, Jr.  
Albert M. Martin  
William H. Goodwin  
William T. Leahey  
Allan Huston Brown  
John Abramowicz  
William F. Boyle

# CHARTER

## OF THE

### CITY OF CAMBRIDGE, MASSACHUSETTS

Being Chapter 364, Acts of 1891

As amended by Chapter 173, Acts of 1896, Chapter 397, Acts of 1901, Chapter 357, Acts of 1902, Chapter 491, Acts of 1907, Chapter 565, Acts of 1907, Chapter 566, Acts of 1907, Chapter 271, Acts of 1908, Chapter 362, Acts of 1908, Chapter 395, Acts of 1909, Chapter 81, Acts of 1912.

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#### ACCEPTANCES

Chapter 364, Acts 1891, on December 8, 1891. Yes, 3714; No, 1833.  
Chapter 173, Acts 1896, on April 1, 1896.  
Chapter 397, Acts 1901, on May 16, 1901.  
Chapter 357, Acts 1902, on June 27, 1902.  
Chapter 491, Acts 1907, on December 10, 1907. Yes, 4121; No, 3266.  
Chapter 565, Acts 1907, on December 10, 1907. Yes, 3785; No, 3502.  
Chapter 566, Acts 1907, on December 10, 1907. Yes, 3887; No, 3162.  
Chapter 271, Acts 1908, approved on March 25, 1908. (Did not require acceptance.)  
Chapter 362, Acts 1908, approved on April 7, 1908. (Did not require acceptance.)  
Chapter 395, Acts 1909, approved on May 14, 1909. (Did not require acceptance.)  
Chapter 441, Acts 1911, approved May 13, 1911. (Did not require acceptance.)  
Chapter 81, Acts 1912, approved on February 9, 1912. (Did not require acceptance.)  
Chapter 804, Acts 1913, on November, 1913. Yes, 7279; No, 2443.

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Be it enacted, etc., as follows:

Section 1. The inhabitants of the city of Cambridge, in the county of Middlesex, shall continue to be a body corporate and politic under the name of the city of Cambridge, and as such, shall have, exercise and enjoy all the rights, immunities, powers and privileges, and shall be subject to all the duties and obligations provided for herein, or otherwise pertaining to said city as a municipal corporation.

\*Section 2. The administration of the fiscal, prudential and municipal affairs of said city, and the government thereof, shall be vested in a mayor and a city council, which shall consist of a board of aldermen consisting, until the municipal year beginning on the first Monday in January, in the year eighteen hundred and ninety-three, of ten members, and thereafter of eleven members, and common council consisting of twenty members. Each branch shall sit

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\* See Section 4.

separately, except when required to meet in joint convention by the provisions of this charter or by a concurrent vote. The qualified voters of the whole city shall elect from among their number the mayor and aldermen. In the year nineteen hundred and one, after the redivision of the city into wards according to section three of this act, the city council shall apportion two members of the common council to each ward, and the qualified voters of each ward shall elect from among their number the members of the common council to which it shall be entitled on such apportionment.

Section 3. In the year nineteen hundred and one the city shall be divided into eleven wards, the boundaries thereof to be determined and defined by the city council so as to include in each ward, as nearly as may be, the same number of male voters, but without disturbing the boundaries of the existing representative districts established by the county commissioners of the county of Middlesex. These boundaries so determined and defined shall be retained until the same shall be changed under the general law relating thereto. The apportionment of councilmen for the year nineteen hundred and one shall be retained until October in the year nineteen hundred and five. The City Council shall in the month of October, in the year nineteen hundred and five, and every fifth year thereafter, apportion the members of the common council to the several wards as nearly as may be on the basis of male voters.

Section 4. An annual election for the choice of city officers shall be holden on the Tuesday next following the second Monday in March, and all officers who are chosen by the qualified voters shall be chosen by ballot; and such officers, except the assessors, and the members of the school committee, shall hold their respective offices for the succeeding municipal year, to wit, beginning with the first Monday in April succeeding the annual election and continuing till the first Monday in April of the year following and until others shall be chosen and qualified to act in their stead. The qualified voters of the city shall, at each annual election, choose one of their number to be assessor for the term of three years. The school committee shall consist of five members, to be elected as follows:—for the purpose of electing a school committee the city shall be divided into three districts. Wards one, two and three shall constitute the first district; wards four, five, six and seven shall constitute the second district; wards eight, nine, ten and eleven shall constitute the third district. The qualified voters of each dis-



trict shall elect from among their number one member of the school committee to serve for three years; and the qualified voters of the whole city shall elect from among their number two members of the school committee, each to serve for three years. At the municipal election next succeeding the adoption of this act one member of the school committee at large and a member from the first district shall be chosen for three years; one member at large and a member from the second district for two years; and a member from the third district for one year; and upon the election and qualification of these members the terms of all the present members of the school committee shall cease and determine. At each succeeding regular election the voters of the city and of the respective districts shall choose from among their number in place of those members of the school committee whose terms are about to expire an equal number of members to serve for three years. The qualified voters of the city shall at any such election fill for the unexpired term all vacancies then existing in the offices of assessor and school committee. Nothing, however, in this act shall affect the tenure of office of any person elected to the office of school committee during the years nineteen hundred and nineteen hundred and one, but every such person and his respective successor or successors shall hold such office during the remainder of such unexpired term.

Section 5. All the meetings of the qualified voters, for the purpose of voting at elections, or for the transaction of municipal affairs, whether in city or in ward meetings, shall be holden in pursuance of warrants for that purpose, which shall be issued by the board of aldermen, and shall be in such form and served and returned in such manner and at such time as the city council by ordinance shall direct. The board of aldermen shall issue their warrant for a general meeting of the qualified voters, for any constitutional or legal purpose, whenever requested to do so, in writing, by thirty such voters.

Section 6. If, at the annual election, a mayor or the required number of members of the city council shall not have been elected, or, if any person elected shall refuse to accept the office to which he was chosen, the board of aldermen shall make a record of the fact, and forthwith issue their warrant for another election; and the same proceedings shall be had as are provided by law for the original election; and the same shall be repeated from time to time until a mayor and the required number of members of the city council

shall have been chosen. Whenever a vacancy shall occur in either office by death, resignation, or otherwise, the board of aldermen, may and if such vacancy occur prior to the first of July in any year, shall, forthwith issue their warrant for a new election. The removal of a person holding office from one ward to another shall not create a vacancy in such office; nor shall a change of ward boundaries create a vacancy in any office.

\*Section 7. The mayor, aldermen and members of the common council, shall, before entering upon their offices, be sworn to the faithful performance of their respective duties; and for that purpose shall meet in convention on the first Monday in January in each year at ten of the clock in the forenoon, when such oath may be administered to the mayor-elect by any judge of any court of record in the commonwealth, or by any justice of the peace, and to the aldermen elect and common councilmen elect by the mayor, he being first sworn as aforesaid, or by any justice of the peace. A certificate that such oath has been taken shall be entered in the journals of the board of aldermen and of the common council by their respective clerks. If the mayor or any one or more of the aldermen or common councilmen shall not be present on the first Monday in January to take the oath required of them, the same may be administered to the mayor or aldermen at any meeting of the board of aldermen, and to the common councilmen at any meeting of the common council, thereafter, before entering upon office. A certificate that such oath has been taken shall be entered in the journal of the board at the meeting at which it was administered.

Section 8. The executive powers of said city shall continue to be vested in the mayor, to be exercised through the several officers and boards of the city in their respective departments, under his general supervision and control. He may call special meetings of the board of aldermen and of the common council, or either of them, when in his opinion the interests of the city require it, by causing the notification to be left at the usual dwelling place of each member of the board or boards to be convened, twenty-four hours at least before the time set for such meeting. He shall from time to time communicate to said boards respectively such information, and recommend such measures, as the interest of the city shall in his judgment require. The mayor shall cause the laws, ordinances, orders and regulations of the city to be executed and enforced. He shall exercise a general supervision and

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\* See Section 4.



control over the official acts and conduct of all officers, and take proper action to cause every violation or neglect of duty to be punished. It shall be his duty to secure an honest, efficient and economical conduct of the whole executive and administrative business of the city, and the harmonious and concerted action of the different departments. The mayor may at any time summon boards, heads of departments, or subordinate officers for information, consultation, or advice upon the affairs of the city, and he may at any time, with or without notice, and without expense to the city unless such expense has been authorized by the city council, investigate the affairs of any department and the official acts and conduct of any official in the administrative service of the city.

Section 9. All officers of the city not elected by the qualified voters shall be resident citizens of the city of Cambridge, and shall, except as herein otherwise provided, be appointed by the mayor subject to confirmation by the board of aldermen, and for such terms respectively as are or may be fixed by law or ordinance, or, in case of an appointment to fill a vacancy, for the unexpired term. Subject to confirmation, as aforesaid the mayor shall annually, in the month of February, appoint two persons from each ward, one from each of the two principal political parties, to be assistant assessors for the term of one year, beginning with the first day of March of that year. The persons so appointed as assistant assessors shall perform together the work of assessing poll taxes in their respective wards. No appointment made by the mayor shall be acted upon by the board of aldermen until the expiration of one week after such appointment is transmitted to said board, except by unanimous consent of said board.

Section 10. The mayor after due hearing, may, with the approval of a majority of the board of aldermen, remove any member of the board of overseers of the poor or the board of health, and assistant assessor, any member of the police force or fire department, and any other officer of the city, except the members of the city council and school committee, and their clerks and attendants, the principal assessors, the city clerk, the city treasurer, the city auditor, the city messenger, clerk of committees, and city solicitor, for the cause assigned by him.

Section 11. Every ordinance, order, resolution or vote for the passage of which concurrence of the board of aldermen and of the

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\* See Chapter 425, Acts 1913.



common council may be necessary, except on a question of the convention of the two branches, or of any investigation of any officer or department of the city government, and except as may otherwise be provided herein, and every order of either branch involving expenditure of money, shall be presented to the mayor. If he approves thereof he shall signify his approval by signing the same, but if not he shall return the same with his objections in writing to the branch in which it originated, which shall enter the objections of the mayor, at length, upon its records and shall proceed to reconsider such ordinance, order, resolution or vote, and if after such reconsideration two-thirds of said branch, notwithstanding the objections, vote to pass the same, it shall be in force unless it originally required concurrent action, in which case it shall, together with the objections, be sent to the other branch of the city council, where it shall also be reconsidered, and if approved by two thirds of such other branch, it shall likewise be in force. In all such cases the vote shall be taken by yeas and nays. If such ordinance, order, resolution or vote shall not be returned within ten days after it was presented to the mayor, the same shall be in force. The mayor's approval shall likewise be required for, and he shall have a similar power of veto, and with like limitations, over any order or vote of appropriation of the school committee and any order or vote of the board of aldermen which involves the exercise of any of the powers conferred by law upon the mayor and aldermen, or upon the board of aldermen as a separate board, and such order or vote shall be reconsidered, and may be passed by a two-thirds vote of said committee or board, notwithstanding the mayor's objections, as hereinbefore provided. Nothing herein contained shall affect the powers of the board of aldermen in relation to votes cast at elections, nor shall the veto power of the mayor extend to elections. He may except from his approval of any ordinance, order, resolution or vote of the city council or either branch thereof or of the school committee, when such ordinance, order, resolution or vote appropriates or requires an appropriation of money, any part involving a distinct item of appropriation. In such case, instead of returning the original he shall transmit a copy of the part not approved, which part shall be reconsidered in the manner and with the effect above provided. But no request for information from any board or city officer shall be subject to veto of the mayor.

Section 12. The mayor shall have sole power to sign, seal, execute and deliver, in behalf of the city, deeds and leases of land sold or leased by the city, and other deeds, agreements, contracts, leases,

indentures and assurances on behalf of the city, except as herein otherwise provided.

Section 13. The mayor shall cause to be kept a record of all his official acts, and may, without confirmation by the board of aldermen, appoint a clerk, whose compensation shall be fixed by the city council. The mayor shall receive for his services such salary as the city council shall determine, payable at stated periods, and shall receive no other compensation; but such salary shall not be increased or diminished during his term of office.

Section 14. All the powers now vested by law in the city of Cambridge, or in the inhabitants thereof as a municipal corporation, except as herein otherwise provided, shall be vested in the city council, and shall be exercised by a concurrent vote, each branch having a negative on the other. A majority of each branch shall constitute a quorum for the transaction of business. No member of either branch shall receive any compensation for his services. All sittings of the city council, or of either branch thereof, except for the consideration of candidates for election, and except the sittings of the board of aldermen for the consideration of appointments by the mayor, shall be public. But all votes on elections and on confirmations shall be taken in public.

Section 15. The city council shall have power to make ordinances and to fix penalties therein as provided herein and by general law, which shall take effect from the time therein limited, without the sanction or confirmation of any court or justice thereof. All city ordinances shall be duly published, and in such newspaper or newspapers in said city as the city council shall direct. The city council may also by ordinance regulate the loads of vehicles using the streets of said city, and provide for the appointment, in accordance with the provisions of section nine, or public weighers, measurers and surveyors, surveyors of mechanics' work, inspectors of junk shops and junk collectors, inspectors of pawnbrokers and of dealers in second-hand articles, and other needful officers and define their powers and duties and fix their compensation.

Section 16. The city council shall have exclusive authority, subject to the veto power of the mayor, to lay out, alter, discontinue or fix the grade of any highway, street or town way, and to take land therefor and for the construction of public drains and common sewers and to estimate the damage which any person shall sustain thereby, but action upon said matters shall be first taken by the board of aldermen. Any person dissatisfied with the decision of the city council in the



estimate of damages may, within one year thereafter, make complaint and application for a jury to the superior court in the county of Middlesex, upon which application the same proceedings shall be had as are or may be provided in sections one hundred and five, one hundred and six, one hundred and seven and one hundred and eight of chapter forty-nine of the Public Statutes, or any acts in amendment thereof.

Section 17. The city council may establish a fire department with such offices, apparatus and regulations for the government thereof as shall from time to time be prescribed by ordinance not inconsistent with this act. The engineers of the fire department shall have the powers of fire wards and all powers conferred by section four of chapter thirty-five of the Public Statutes, in like manner as if said city had accepted said section.

Section 18. The city council shall take care that no money shall be paid out from the city treasury unless previously granted and appropriated, and shall secure a just and proper accounting, in such manner as they may direct, from all boards and officers intrusted with the receipt, custody or disbursement of the moneys or funds of the city. The city council shall publish once in every year at least, for the use and information of the inhabitants, a particular account of the receipts and expenditures of the city and a schedule of the property and debts of the city; the mayor and all officers and boards of the city shall make for such purpose such reports as the city council may request.

\*Section 19. The city council shall annually in the month of February by concurrent vote, the board of aldermen acting first, elect by a ballot a city clerk \*\*who shall be sworn to the faithful discharge of his duties and shall hold his office for one year from the first day of March of that year, and until another shall be chosen and qualified, but may be removed, however, at the pleasure of the city council. The city clerk shall be ex-officio clerk of the board of aldermen. He shall keep a journal of the votes and proceedings of the aldermen, and also of the city council when sitting in convention, and shall perform such other duties as the aldermen and the city council may describe. He shall also perform all the duties and exercise all the powers usually pertaining to said office. He shall deliver up to his successor in office, as soon as chosen and qualified, all journals, records, record books, papers, documents or other things kept or held by him in his capacity of city clerk. The city council shall also annually in the month of April, by concurrent vote, the board of aldermen acting first, elect by

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\*\* See Chapter 425, Acts 1913.



a ballot a city messenger and clerk of committees, each of whom shall hold office for one year from the first day of May of that year, and until another is chosen in his place, subject to removal at any time, by the city council.

\*Section 20. The city council shall also annually in the month of February, by concurrent vote, the board of aldermen acting first, elect by ballot a city treasurer, who shall be the collector of taxes, and a city auditor, each of whom shall be sworn to the faithful discharge of his duties, and shall hold his office for one year from the first day of March of that year, and until another shall be chosen and qualified, but may be removed, however, at the pleasure of the city council. The treasurer and auditor shall deliver up to their respective successors in office as soon as chosen or qualified, or to any person designated by the city council, on their ceasing to fill each office, all books, funds, papers, or other things kept or held by them as such officers. In the year nineteen hundred and eight, and every third year thereafter, in the month of April, the city council, by concurrent vote, the board of aldermen acting first, shall elect a solicitor for the city of Cambridge who shall be a resident citizen of Cambridge and admitted to practise in the courts of the commonwealth. He shall hold office for three years from the first day of May of that year and until a successor is chosen in his place, and shall be subject to removal at any time by the city council after a hearing for cause assigned by them.

Section 21. The city council shall annually in the month of March, elect one person to be a member of the board of overseers of the poor, for the term of five years beginning with the first Monday in May of that year.

Section 22. The city treasurer of the city of Cambridge, may, as collector of taxes, appoint such deputy collectors of taxes as he may from time to time deem expedient, who shall give bonds with sufficient securities for the faithful discharge of their duties, in such sums as the board of aldermen of said city shall from time to time prescribe, and such deputies shall have the same powers as collectors of taxes of towns. He shall as such collector have all special powers conferred on a treasurer appointed collector by a vote of a city council.

Section 23. All fees, charges and commissions of every kind and description allowed by law for the collection of taxes, betterments, rates and assessments of every kind to any person or persons authorized to collect the same, upon any warrant or other command hereafter

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\* See Section 5, Chapter 565, Acts of 1907, post.

directed to the treasurer and collector of the city of Cambridge, in his capacity as treasurer or as collector, or as both treasurer and collector, shall be collected and paid into the treasury of said city and shall be the property of said city. The city may pay to such persons such compensation for services as the city council shall from time to time determine.

Section 24. The city council shall, in joint convention, fill for the remainder of the municipal year all vacancies which shall at any time arise in the board of assessors.

Section 25. Neither the city council nor either branch thereof, nor any member or committee thereof, or of either branch thereof, nor the board of aldermen acting in any capacity in which said board may act separately under special powers conferred upon it, nor any member of committee of said board acting in any such capacity shall directly or indirectly take part in the employment of labor, nor, except as otherwise provided in this act, in the appointment or removal of any officers or subordinates for whose appointment and removal provision is herein made. No person shall be eligible for election or appointment to any municipal office by the mayor or city council, or either branch thereof, the salary of which office is payable from the city treasury, during the term for which such person was chosen as member of the city council.

Section 26. The board of aldermen shall be the final judge of the election and qualification of its members and of the members of the school committee. The board of aldermen shall choose one of its members as president, who shall preside at the meetings of the board and at joint conventions of the two branches of the city council. He may at any time call a special meeting of the board of aldermen by causing a notice to be left at the usual dwelling place of each member. The mayor shall not be a member of, nor preside at any of the meetings, nor appoint any of the committees of the board of aldermen.

Section 27. The board of aldermen may authorize the construction of sidewalks or the completion of any partially constructed sidewalk in said city. Such sidewalks may be with or without edgestones, and covered with brick, flat stones or concrete; and the expense of such edgestones and covering materials shall be assessed on the abutting lands in just proportions, and shall constitute a lien thereon and be collected in the same manner as taxes on real estate. Such sidewalks when constructed and covered with brick, flat stones or concrete, as aforesaid, shall afterwards be maintained at the expense of the city.

Section 28. The board of aldermen shall from time to time fix the number and compensation of the members of the police force, and



establish general regulations for its government. They shall have power to grant licenses to inn holders, victuallers and retailers, and to grant other licenses for which provision is or shall be made by general law or ordinance, and may at any time revoke any license granted by them. They shall do all acts and perform all the duties which the selectmen of towns or the boards of aldermen of cities are by law required to do and perform, unless otherwise provided by general law or in this act.

Section 29. The common council shall choose one of its members as president, who shall preside at its meetings, and shall choose a clerk, who shall be sworn to the faithful discharge of the duties of his office, and shall hold office during the pleasure of the council. The clerk so chosen and qualified shall attend the common council when in session and keep a journal of its acts, votes and proceedings, and perform such other service in such office as the council may require. The common council shall be the final judge of the election and qualifications of its members.

Section 30. The city council, the board of aldermen, and the common council may respectively fill for the unexpired term any vacancy arising by reason of the death, resignation or removal of any officer elected by them.

Section 31. The school committee and overseers of the poor shall respectively perform all those duties which the school committee and overseers of the poor in towns are required by law to perform. The school committee shall annually appropriate money for the maintenance of the schools and school buildings and for the salaries of all teachers and other employees including janitors of school buildings, employed by them: *provided, however*, that the words "maintenance of school buildings" shall not include the restoration of a school building when damaged or destroyed by fire, explosion or other unavoidable casualty. The total amount thus to be appropriated for the aforesaid purposes in addition to the money which may be given therefor, the income collected, the balance of appropriations of preceding years, and the money which may be authorized by acts of the general court passed prior to the year nineteen hundred and thirteen and not repealed, shall not exceed the following sums for the period specified:—For the financial year ending on the thirty-first day of March, nineteen hundred and fourteen, five dollars and twenty-five cents; for the financial year ending on the thirty-first day of March, nineteen hundred and fifteen, five dollars and fifty cents; for the financial year ending on the thirty-first day of March, nineteen hundred and sixteen, five dollars and



seventy-five cents, and for each financial year thereafter six dollars on each one thousand dollars of taxable property of the city, to be estimated by taking the average amount of taxable property during the three preceding years. The school committee shall appoint a superintendent of schools and shall elect the teachers of the public schools as provided by section thirty-two of chapter forty-two of the Revised Laws. It shall approve the situation and plans of all school buildings. It shall have entire charge of the buildings used for school purposes and shall have authority to appoint and remove, under the laws regulating the civil service, the janitors and other persons employed therein. It shall have entire control of the expenditure of moneys devoted to the maintenance of schools. The overseers of the poor shall, annually on the first Monday of May, meet and organize, and choose such subordinate officers and agents as they may deem expedient, and define their duties and fix their salaries; but no member of the board shall be eligible to be chosen by the board to any position of emolument.

Section 32. The city council, the board of aldermen, the common council, and the school committee may severally employ such clerks and attendants as they may deem proper for the suitable conduct of their business, and may remove the same at pleasure.

Section 33. Every officer of the city shall, unless sooner removed, continue after the expiration of his term of service to hold his office until his successor is appointed or elected and duly qualified.

Section 34. All heads of departments and boards of the city, except the chief of police and the chief engineer of the fire department, shall appoint their respective subordinates, for such term of service respectively, as are or may be fixed by law or ordinance, which appointments shall be forthwith certified by them to the mayor; the said officers and boards may remove such subordinates for such cause as they shall assign in writing in the order for removal, which order shall be forthwith communicated to the mayor.

Section 35. The several executive boards of the city and officers at the head of departments shall in their respective departments make and execute all necessary contracts for the employment of labor, the supply of materials, and the construction, alteration and repair of all public works and buildings, and have the entire care, custody and management of all public works, institutions and buildings and other property, and the direction and control of all the executive and administrative business of said city. All executive boards and officers shall be at all times accountable for the proper discharge of their duties to the mayor as the chief executive officer. They and all subordinate officers

shall at all times furnish such information as to matters under their control as the mayor or the city council may request. Every contract made in behalf of the city, in which the amount involved exceeds three hundred dollars, shall require the approval of the mayor before going into effect. No expenditures shall be made, and no liability shall be incurred or be binding upon the city for any purpose beyond the appropriation previously made therefor. This section shall in no wise be construed as limiting or restricting the powers given to the school committee by the Public Statutes or any amendments thereto.

Section 36. The heads of departments and all other officers and boards having authority to expend money, shall, annually, before the twentieth day of April furnish an estimate to the mayor of the money required for their respective departments and offices for one year beginning with the first day of April preceding, and the mayor shall examine such estimates and submit the same with his recommendations thereon to the city council on or before the first day of May. The city council shall thereupon make the appropriation for the financial year beginning with the first day of April preceding.

Section 37. All ordinances of the city of Cambridge, or portions thereof, inconsistent with the provisions of this act are annulled, but such portions as are not inconsistent herewith are continued in force until amended or repealed by the city council.

Section 38. Nothing contained herein shall affect the provisions of chapter one hundred and eight of the acts of the year eighteen hundred and eighty-six, of chapter seventy of the acts of the year eighteen hundred and eighty-eight, of chapter four hundred and thirty-nine of the acts of the year eighteen hundred and eighty-nine, or the enforcement of the provisions of chapter three hundred and twenty of the acts of year eighteen hundred and eighty-four, or of acts in amendment thereof, or of the rules made by the commissioners appointed thereunder, and none of the provisions of this act, except those relating to the power of removal, shall affect the tenure of office of any person now holding any office or position in the city, or the present powers of the board of health therein. Except as herein provided, the Cambridge water board and the commissioners of the Cambridge cemetery shall continue to have and exercise all powers and be subject to all duties now conferred or imposed upon them by law or ordinance until the same shall be modified or repealed.

Section 39. Chapter one hundred and thirty-nine of the acts of the year eighteen hundred and thirty-two, chapter eighty-seven of the acts of the year eighteen hundred and thirty-five, chapter one hundred



and nine of the acts of the year eighteen hundred and forty-six, chapter ninety-nine of the acts of the year eighteen hundred and fifty-one, chapter one hundred and fifty-five of the acts of the year eighteen hundred and fifty-three, the provisions of section one of chapter forty-four of the acts of the year eighteen hundred and fifty-five, relating the method of appointment and removal of cemetery commissioners, and of section three of said chapter relating to execution of deeds by the city clerk, chapter one hundred and twelve of the acts of the year eighteen hundred and fifty-six, chapter seventy-five of the acts of the year eighteen hundred and fifty-seven, chapter one hundred and thirty-seven of the acts of the year eighteen hundred and fifty-nine, chapter one hundred and ninety-one of the acts of the year eighteen hundred and sixty-three, chapter sixty-eight of the acts of the year eighteen hundred and sixty-seven, chapter three hundred and thirty-six of the acts of the year eighteen hundred and sixty-nine, chapter two hundred and twenty-nine of the acts of the year eighteen hundred and seventy, chapters three hundred and thirty-seven and three hundred and forty-five of the acts of the year eighteen hundred and seventy-three, chapter forty-one of the acts of the year eighteen hundred and seventy-seven, chapter one hundred and two of the acts of the year eighteen hundred and seventy-eight, chapter one hundred and ninety of the acts of the year eighteen hundred and seventy-nine, chapters one hundred and three, one hundred and ninety-three and two hundred and thirteen of the acts of the year eighteen hundred and eighty-six, and chapter two hundred and sixty of the acts of the year eighteen hundred and ninety are hereby repealed; but such repeal shall not revive any act heretofore repealed, nor shall the repeal of said acts or annulling of ordinances inconsistent herewith affect any act done, liability incurred, or any right accrued or established, or any suit or prosecution, civil or criminal, to enforce any right or penalty, or punish any offence under the authority of said acts or ordinances.

Section 40. This act shall be submitted to the qualified voters of the city of Cambridge for acceptance at the next annual municipal election held therein, and the affirmative votes of a majority of the voters present and voting thereon shall be required for its acceptance.

Section 41. So much of this act as authorizes the submission of the question of its acceptance to the voters of said city shall take effect upon its passage; but it shall not further take effect unless accepted by the voters of said city as herein provided.



## CHAPTER 565, ACTS of 1907

Section 5. In the year nineteen hundred and eight and every third year thereafter in the month of May the city council shall elect a city clerk; and in the year nineteen hundred and nine and every third year thereafter in the month of May the city shall elect a city auditor; and each of these officers shall be elected by concurrent vote, the board of aldermen acting first, and shall hold office for three years from the first day of June of that year until a successor is chosen in his place, and provision of chapter four hundred and ninety-one of the acts of the year nineteen hundred and seven to the contrary notwithstanding. The city treasurer, \*assistant city clerk, city messenger and clerk of committees shall be elected during the month of May by the city council, by concurrent vote, the board of aldermen acting first, and each of these officers shall hold office for one year from the first day of June, and until a successor is chosen in his place. The qualifications and duties of these officers respectively shall continue to be as already provided by law.

Section 6. All ordinances of the city of Cambridge, or parts thereof, inconsistent with the provisions of this act are annulled, but such parts as are not inconsistent herewith are continued in force until amended or repealed by the city council.

## CHAPTER 441, ACTS of 1911

## AN ACT RELATIVE TO UNEXPENDED BALANCES OF APPROPRIATIONS FOR SCHOOL PURPOSES IN THE CITY OF CAMBRIDGE.

Be it enacted, etc., as follows:

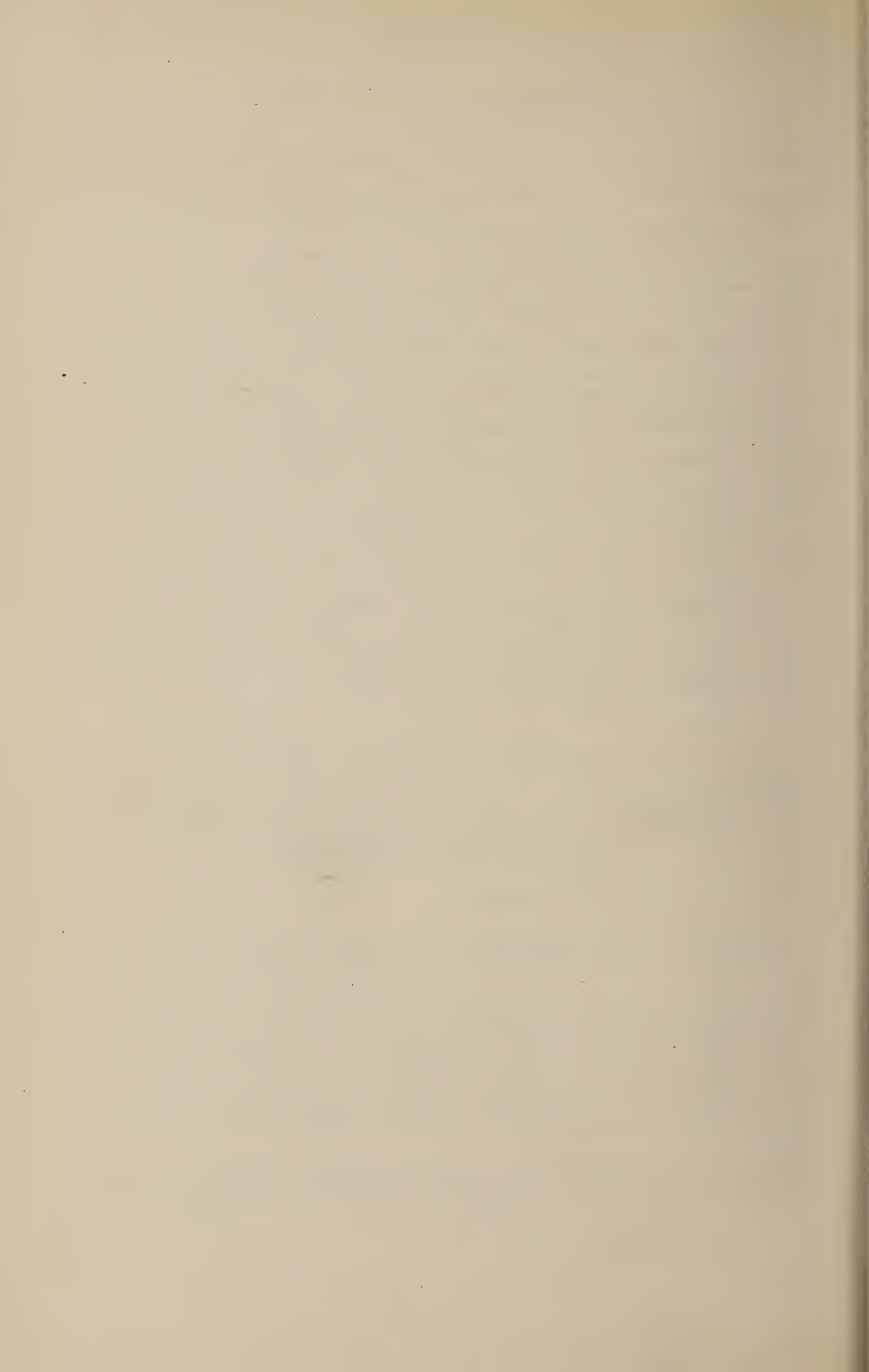
Section 1. The unexpended balance in any year of the amount appropriated by law for school purposes in the city of Cambridge may, by written request of the school committee addressed to the city treasurer, be carried to the credit of the school committee for use in subsequent years for school purposes, and this shall be in addition to the five dollars on each one thousand dollars of taxable property to be appropriated or expended by the school committee in any subsequent years.

Section 2. This act shall take effect upon its passage.

Approved May 13, 1911.

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\* See Chapter 425, Acts 1913.



# VOTES CAST AT STATE AND CITY ELECTIONS

HELD

NOVEMBER 4, 1913, AND MARCH 10, 1914

RESPECTIVELY, AND

## VOTES CAST AT STATE AND CITY ELECTION PRIMARIES

HELD

SEPTEMBER 23, 1913, AND FEBRUARY 17, 1914

RESPECTIVELY

AS CORRECTED BY RECOUNTS

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VOTES CAST FOR STATE OFFICERS, COUNCILLORS, SENATORS, REPRESENTATIVES IN THE GENERAL COURT, COUNTY COMMISSIONER, ASSOCIATE COUNTY COMMISSIONERS, DISTRICT ATTORNEY, REGISTER OF PROBATE, REGISTER OF DEEDS, AND ON THE QUESTIONS OF ACCEPTING AMENDMENTS TO THE CONSTITUTION, (a) IN RELATION TO WOMEN AS NOTARIES, (b) REFERENDUM, (c) UPON THE QUESTION OF ACCEPTING THE PROVISIONS OF CHAPTER 807, ACTS OF 1913, RELATIVE TO WORKINGMEN'S COMPENSATION ACT, AND (d) CHAPTER 804, ACTS OF 1913, RELATIVE TO SCHOOL COMMITTEE; ALSO FOR VOTES CAST FOR CITY OFFICERS, AND UPON THE QUESTION OF THE ACCEPTANCE OF LAWS (a) CALL MEN, (b) LABORERS' COMPENSATION ACT AS TO CITIES, (c) ALSO UPON THE QUESTION OF GRANTING LICENSES FOR THE SALE OF INTOXICATING LIQUORS.



VOTES CAST AT DEMOCRATIC PRIMARY, SEPTEMBER 23, 1913

| WD. PREC.   | GOV'R                     |       | LIEUT. GOVERNOR         |                             | SEC'Y |                          | TREASURER |                                | AUDITOR                           |       | ATTORNEY GENERAL |                   | COUNCILLOR Third District |                            |                           |                          | COUNCILLOR Fourth District |                              |                              |       |     |
|-------------|---------------------------|-------|-------------------------|-----------------------------|-------|--------------------------|-----------|--------------------------------|-----------------------------------|-------|------------------|-------------------|---------------------------|----------------------------|---------------------------|--------------------------|----------------------------|------------------------------|------------------------------|-------|-----|
|             | David I. Walsh, Fitchburg | Blank | Edward P. Barry, Boston | Richard H. Long, Framingham | Blank | Frank J. Donahue, Boston | Blank     | Frederick W. Mansfield, Boston | Joseph L. P. St. Coeur, Cambridge | Blank | Frank H. Pope    | Antonio Silvester | Blank                     | Timothy J. Buckley, Boston | Edward D. Collins, Boston | Frank J. O'Toole, Boston | Blank                      | William H. Barter, Winthrop, | Benjamin F. Sullivan, Boston | Blank |     |
| 1.....      | 420                       | 51    | 260                     | 156                         | 55    | 369                      | 102       | 170                            | 202                               | 99    | 314              | 157               | 313                       | 248                        | 144                       | 15                       | 64                         | 158                          | 255                          | 213   | 104 |
| 2.....      | 467                       | 84    | 344                     | 133                         | 74    | 415                      | 136       | 196                            | 205                               | 150   | 328              | 223               | 341                       | 303                        | 159                       | 18                       | 71                         | 210                          | 185                          | 28    | 12  |
| 3.....      | 825                       | 120   | 567                     | 273                         | 105   | 731                      | 214       | 311                            | 457                               | 177   | 613              | 332               | 621                       | 481                        | 277                       | 41                       | 146                        | 324                          | 208                          | 24    | 19  |
| 4.....      | 395                       | 33    | 271                     | 127                         | 30    | 359                      | 69        | 126                            | 240                               | 62    | 311              | 117               | 314                       | 238                        | 97                        | 26                       | 67                         | 114                          | 76                           | 134   | 61  |
| 5.....      | 459                       | 44    | 274                     | 189                         | 40    | 414                      | 89        | 94                             | 353                               | 56    | 362              | 140               | 365                       | 138                        |                           |                          |                            | 138                          | 104                          | 92    |     |
| 6.....      | 311                       | 47    | 213                     | 108                         | 37    | 277                      | 81        | 97                             | 201                               | 60    | 224              | 134               | 234                       | 124                        |                           |                          |                            | 124                          | 297                          | 186   |     |
| 7.....      | 346                       | 43    | 228                     | 129                         | 32    | 313                      | 76        | 84                             | 249                               | 56    | 263              | 126               | 266                       | 123                        |                           |                          |                            | 123                          | 269                          | 33    |     |
| 8.....      | 396                       | 56    | 241                     | 169                         | 42    | 349                      | 103       | 105                            | 266                               | 81    | 297              | 155               | 294                       | 158                        |                           |                          |                            | 158                          | 74                           | 16    |     |
| 9.....      | 60                        | 8     | 36                      | 28                          | 4     | 52                       | 16        | 22                             | 34                                | 12    | 46               | 22                | 50                        | 18                         |                           |                          |                            | 18                           | 19                           | 30    |     |
| 9.....      | 131                       | 18    | 91                      | 41                          | 17    | 119                      | 30        | 44                             | 73                                | 32    | 96               | 53                | 95                        | 54                         |                           |                          |                            | 54                           | 30                           | 76    |     |
| 9.....      | 165                       | 13    | 106                     | 62                          | 10    | 151                      | 27        | 62                             | 97                                | 19    | 125              | 53                | 124                       | 54                         |                           |                          |                            | 54                           | 29                           | 104   |     |
| 9 Totals..  | 356                       | 39    | 233                     | 131                         | 31    | 322                      | 73        | 128                            | 204                               | 63    | 267              | 128               | 269                       | 126                        |                           |                          |                            | 126                          | 78                           | 213   |     |
| 10.....     | 52                        | 3     | 31                      | 21                          | 3     | 47                       | 8         | 10                             | 41                                | 4     | 43               | 12                | 45                        | 10                         |                           |                          |                            | 10                           | 15                           | 28    |     |
| 10.....     | 58                        | 4     | 22                      | 34                          | 6     | 55                       | 7         | 25                             | 30                                | 7     | 49               | 13                | 49                        | 13                         |                           |                          |                            | 13                           | 19                           | 24    |     |
| 10.....     | 195                       | 26    | 133                     | 58                          | 30    | 177                      | 44        | 66                             | 113                               | 42    | 144              | 77                | 144                       | 77                         |                           |                          |                            | 77                           | 26                           | 134   |     |
| 10 Totals.. | 305                       | 33    | 186                     | 113                         | 39    | 279                      | 59        | 101                            | 184                               | 53    | 236              | 102               | 238                       | 100                        |                           |                          |                            | 100                          | 60                           | 186   |     |
| 11.....     | 523                       | 75    | 327                     | 202                         | 69    | 462                      | 136       | 182                            | 321                               | 95    | 410              | 188               | 413                       | 185                        |                           |                          |                            | 185                          | 160                          | 297   |     |
| Grand T'ls. | 4,803                     | 625   | 3,144                   | 1,730                       | 554   | 4,290                    | 1,138     | 1,594                          | 2,882                             | 952   | 3,625            | 1,802             | 3,668                     | 1,760                      | 677                       | 100                      | 348                        | 1,760                        | 739                          | 1,613 | 681 |

DEMOCRATIC PRIMARY—Continued

VOTES CAST AT PRIMARIES

| WARD PREC.    | SENATOR                     |                           |                                  |       |                           |                                | COUNTY COMMISSIONER |                               |                                |       |       | ASSOCIATE COMMR'S |                  |        |    |     |     |     |       |
|---------------|-----------------------------|---------------------------|----------------------------------|-------|---------------------------|--------------------------------|---------------------|-------------------------------|--------------------------------|-------|-------|-------------------|------------------|--------|----|-----|-----|-----|-------|
|               | Second Suffolk District     |                           | 3rd Suffolk District             |       | 2d Middlesex District     |                                |                     |                               |                                |       |       |                   |                  |        |    |     |     |     |       |
| 1.....        | James H. Brennan,<br>Boston | James I. Green,<br>Boston | Joseph A. Sullivan,<br>Cambridge | Blank | John H. Farley,<br>Boston | Philip J. McGonagle,<br>Boston | Blank               | John P. Brennan,<br>Cambridge | Maurice M. Lynch,<br>Cambridge | Blank | Blank | Blank             | John L. G. Glynn | Blank  |    |     |     |     |       |
| 2.....        | 160                         | 186                       | 95                               | 30    | 172                       | 132                            | 124                 | 327                           | 112                            | 64    | 238   | 18                | 8                | 120    | 1  | 86  | 942 |     |       |
| 3.....        | 241                         | 164                       | 94                               | 52    |                           |                                |                     |                               |                                |       | 370   | 22                | 5                | 64     | 90 | 216 | 90  | 216 | 1,102 |
| 4.....        | 394                         | 246                       | 200                              | 105   |                           |                                |                     |                               |                                |       | 500   | 59                | 19               | 151    | 94 | 94  | 94  | 94  | 1,890 |
| 5.....        |                             |                           |                                  |       |                           |                                |                     | 244                           | 18                             | 9     | 9     | 46                | 856              |        |    |     |     |     |       |
| 6.....        |                             |                           |                                  |       |                           |                                |                     | 319                           | 20                             | 13    | 7     | 64                | 1,003            |        |    |     |     |     |       |
| 7.....        |                             |                           |                                  |       |                           |                                |                     | 170                           | 24                             | 24    | 8     | 43                | 716              |        |    |     |     |     |       |
| 8.....        |                             |                           |                                  |       |                           |                                |                     | 213                           | 29                             | 29    | 6     | 67                | 778              |        |    |     |     |     |       |
| 9.....        |                             |                           |                                  |       |                           |                                |                     | 206                           | 23                             | 23    | 8     | 14                | 904              |        |    |     |     |     |       |
| 9.....        |                             |                           |                                  |       |                           |                                |                     | 32                            | 3                              | 3     | 1     | 14                | 136              |        |    |     |     |     |       |
| 9.....        |                             |                           |                                  |       |                           |                                |                     | 81                            | 7                              | 7     | 3     | 14                | 299              |        |    |     |     |     |       |
| 9.....        |                             |                           |                                  |       |                           |                                |                     | 98                            | 4                              | 4     | 1     | 34                | 356              |        |    |     |     |     |       |
| 9 Total.....  |                             |                           |                                  |       |                           |                                |                     | 211                           | 14                             | 14    | .5    | 62                | 790              |        |    |     |     |     |       |
| 10.....       |                             |                           |                                  |       |                           |                                |                     | 37                            | 3                              | 3     | 2     | 3                 | 110              |        |    |     |     |     |       |
| 10.....       |                             |                           |                                  |       |                           |                                |                     | 31                            | 1                              | 1     | 7     | 11                | 124              |        |    |     |     |     |       |
| 10.....       |                             |                           |                                  |       |                           |                                |                     | 114                           | 24                             | 24    | 1     | 30                | 442              |        |    |     |     |     |       |
| 10 Total..... |                             |                           |                                  |       |                           |                                |                     | 182                           | 28                             | 28    | 10    | 44                | 676              |        |    |     |     |     |       |
| 11.....       |                             |                           |                                  |       |                           |                                |                     | 260                           | 285                            | 53    | 22    | 90                | 1,195            |        |    |     |     |     |       |
| Grand Totals. | 795                         | 596                       | 389                              | 187   |                           |                                |                     | 1,808                         | 855                            | 310   | 112   | 814               | 1                | 10,855 |    |     |     |     |       |

REPRESENTATIVES IN GENERAL COURT

| WARD            | First Middlesex District |      |     | Second Middlesex District       |                    |   |                                   |       |                                     |     |     | Third Middlesex District        |                                  |                                    |                                     |   |  |                              |                                    | Blank |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
|-----------------|--------------------------|------|-----|---------------------------------|--------------------|---|-----------------------------------|-------|-------------------------------------|-----|-----|---------------------------------|----------------------------------|------------------------------------|-------------------------------------|---|--|------------------------------|------------------------------------|-------|--------------------------------------|--------------------------------------|-------|------------------------------------|----------------------------------|--------------------------------------|---------------------------------------|----------------------------------|--|-----------------------------------|--|--------------------------------------|-----|
|                 | PREC.                    | WARD |     | John H. Lynch,<br>41 Fourth St. | Michael J. Mahoney | Patrick T. Mullin,<br>504 Cambridge St. | Joseph J. Reed,<br>25 Hunting St. | Blank | Frederick H. Burke,<br>76 Sixth St. | 315 | 48  | John H. Lynch,<br>41 Fourth St. | John Bergen,<br>300 Prospect St. | William Danehy,<br>1 Wadsworth St. | James H. Donovan,<br>5 Carleton St. | Thomas A. Glennon,<br>167 Brookline St. | Stephen H. Harrington,<br>125 Antrim St. | John T. Lynch,<br>69 Elm St. | Henry J. Mahoney,<br>24 Antrim St. |       | Charles H. Millner,<br>175 River St. | James H. Murphy,<br>401 Franklin St. | Blank | Dennis J. Callahan,<br>24 Rice St. | John P. Conroy,<br>8 Shepard St. | Patrick J. Curley,<br>25 Donnell St. | John T. G. Glynn,<br>27 Cogswell Ave. | James Grant,<br>1 Mifflin Place. | Timothy J. Horan,<br>16 Seven Pines Ave. | William J. Lynch,<br>55 Cedar St. | Thomas Edward O'Hara,<br>1208 Mass. Ave. | Walter F. Powers,<br>5 Flagg St. Ct. |     |
| 1.....          | 248                      | 315  | 48  | 125                             | 84                 | 122                                     |                                   |       |                                     |     |     |                                 | 64                               | 177                                | 199                                 | 107                                     | 194                                      | 53                           | 184                                | 12    | 113                                  | 181                                  | 53    | 234                                | 192                              | 175                                  | 39                                    | 84                               | 62                                       | 234                               | 46                                       | 237                                  |     |
| 2.....          | 381                      | 262  | 100 | 125                             | 91                 | 143                                     |                                   |       |                                     |     |     |                                 | 257                              | 95                                 | 77                                  | 117                                     | 288                                      | 34                           | 270                                | 13    | 130                                  | 228                                  | 10    | 35                                 | 16                               | 21                                   | 28                                    | 7                                | 10                                       | 24                                | 4  | 49                                   |     |
| 3.....          | 350                      | 348  | 361 | 141                             | 437                | 253                                     |                                   |       |                                     |     |     |                                 | 49                               | 84                                 | 149                                 | 213                                     | 116                                      | 44                           | 120                                | 5     | 128                                  | 166                                  | 13    | 90                                 | 91                               | 47                                   | 19                                    | 34                               | 16                                       | 31                                | 2  | 104                                  |     |
| 4.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 | 37                               | 121                                | 83                                  | 157                                     | 165                                      | 23                           | 185                                | 29    | 212                                  | 155                                  | 26    | 109                                | 101                              | 56                                   | 17                                    | 42                               | 26                                       | 27                                | 12                                       | 118                                  |     |
| 5.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 6.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 7.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 8.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 9.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 9.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 9.....          |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       |                                    |                                  |                                      |                                       |                                  |  |                                   |  |                                      |     |
| 9 Totals.....   |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       | 49                                 | 234                              | 208                                  | 124                                   | 64                               | 83                                       | 52                                | 82                                       | 18                                   | 271 |
| 10.....         |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       | 14                                 | 24                               | 28                                   | 24                                    | 5                                | 28                                       | 8                                 | 6  | 5                                    | 23  |
| 10.....         |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       | 11                                 | 25                               | 24                                   | 38                                    | 5                                | 16                                       | 11                                | 12                                       | 9                                    | 35  |
| 10.....         |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       | 31                                 | 87                               | 167                                  | 77                                    | 17                               | 112                                      | 31                                | 30                                       | 4                                    | 107 |
| 10 Totals.....  |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       | 56                                 | 136                              | 219                                  | 139                                   | 27                               | 156                                      | 50                                | 48                                       | 18                                   | 165 |
| 11.....         |                          |      |     |                                 |                    |   |                                   |       |                                     |     |     |                                 |                                  |                                    |                                     |   |  |                              |                                    |       |                                      |                                      |       | 141                                | 138                              | 183                                  | 225                                   | 18                               | 291                                      | 375                               | 60                                       | 17                                   | 337 |
| Grand Totals... | 979                      | 925  | 509 | 391                             | 612                | 518                                     |                                   |       | 407                                 | 477 | 508 | 594                             | 763                              | 154                                | 759                                 | 59                                      | 583                                      | 730                          | 299                                | 742   | 802                                  | 663                                  | 148   | 614                                | 539                              | 433                                  | 99                                    | 1,010                            |  |                                   |  |                                      |     |



| WARD              | PRECINCT    | DISTRICT ATTORNEY                                 |  | REGISTER OF PROBATE AND INSOLVENCY | REGISTER OF DEEDS OF DEEDS                  |       | STATE COMMITTEE                     |       |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
|-------------------|-------------|---|--|------------------------------------|---|-------|-------------------------------------|-------|--|----------------------|---------------------|-------|----------------|---------------|------------------|----------------------------------|------------------------------------|---|---|-------|
|                   |             | William J. Corcoran,<br>4 Hastings Sq., Cambridge | William R. Scharton,<br>102 Parker St., Newton | Blank                              | James T. Barrett,<br>97 Otis St., Cambridge | Blank | J. Frank Facey,<br>54 Pemberton St. | Blank | Thomas Hyde,<br>212 Third St., Cambridge | Jeremiah J. Sullivan | James A. Montgomery | Blank | Second Suffolk | Third Suffolk | Second Middlesex |                                  |                                    |   |   |       |
| 1.....            | .....       | 332   | 80   | 59                                 | 292   | 179   | 279                                 | 192   | 1  |                      |                     |       |                | Blank         |                  | John E. Mullin,<br>502 Green St. | John L. G. Glynn,<br>Cogswell Ave. |   |   | Blank |
| 2.....            | .....       | 359   | 102  | 90                                 | 339   | 212   | 297                                 | 254   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 3.....            | .....       | 637   | 165  | 143                                | 607   | 338   | 567                                 | 378   |  | 1                    | 1                   |       |                |               | 154              |                                  |                                    |   |   |       |
| 4.....            | .....       | 294   | 70   | 64                                 | 288   | 140   | 288                                 | 140   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 5.....            | .....       | 361   | 58   | 84                                 | 299   | 204   | 319                                 | 184   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 6.....            | .....       | 243   | 61   | 54                                 | 227   | 131   | 231                                 | 127   |  |                      |                     |       |                |               | 274              |                                  |                                    |   |   |       |
| 7.....            | .....       | 275   | 72   | 42                                 | 219   | 170   | 251                                 | 138   |  |                      |                     |       |                |               |                  | 1                                |                                    |   |   |       |
| 8.....            | .....       | 330   | 37   | 85                                 | 251   | 201   | 259                                 | 193   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 9.....            | 1.....      | 52  | 8  | 8                                  | 42  | 26    | 38                                  | 30    |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 9.....            | 2.....      | 104   | 15   | 30                                 | 93  | 56    | 93                                  | 56    |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 9.....            | 3.....      | 132   | 19   | 27                                 | 105   | 73    | 106                                 | 72    |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 9.....            | Totals..... | 288   | 42   | 65                                 | 240   | 155   | 237                                 | 158   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 10.....           | .....       | 39  | 10   | 6                                  | 37  | 18    | 34                                  | 21    |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 10.....           | .....       | 42  | 11   | 9                                  | 39  | 23    | 38                                  | 24    |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 10.....           | .....       | 143   | 22   | 56                                 | 134   | 87    | 139                                 | 82    |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 10.....           | Totals..... | 224   | 43   | 71                                 | 210   | 128   | 211                                 | 127   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| 11.....           | .....       | 358   | 133  | 107                                | 363   | 235   | 387                                 | 211   |  |                      |                     |       |                |               |                  |                                  |                                    |   |   |       |
| Grand Totals..... |             | 3,701   | 863  | 864                                | 3,335                                       | 2,093 | 3,326                               | 2,102 | 1  | 1                    | 1                   | 1     | 1,964          | 274           | 154              | 1,717                            | 1                                  | 1 | 1 | 1,313 |

## DELEGATES TO DEMOCRATIC STATE CONVENTION

## WARD 1

|             |     |
|-------------|-----|
| Blank ..... | 942 |
|-------------|-----|

## WARD 2

|                       |       |
|-----------------------|-------|
| Henry F. Lehan.....   | 1     |
| James T. Barrett..... | 1     |
| Humphrey Ahearn.....  | 1     |
| Blank .....           | 1,650 |

## WARD 3

|                        |       |
|------------------------|-------|
| James Burke.....       | 1     |
| Martin F. Carew.....   | 1     |
| Daniel J. Mahoney..... | 1     |
| Edward J. Sennott..... | 1     |
| Blank .....            | 3,780 |

## WARD 4

|             |       |
|-------------|-------|
| Blank ..... | 1,284 |
|-------------|-------|

## WARD 5

|                                    |       |
|------------------------------------|-------|
| J. Edward Barry, 347 Broadway..... | 1     |
| Blank .....                        | 1,508 |

## WARD 6

|             |       |
|-------------|-------|
| Blank ..... | 1,074 |
|-------------|-------|

## WARD 7

|                                       |       |
|---------------------------------------|-------|
| John Flanagan, Putnam Avenue.....     | 1     |
| John Corkery.....                     | 1     |
| John E. Mullin, 502 Green Street..... | 1     |
| Blank .....                           | 1,164 |

## WARD 8

|   |     |
|---|-----|
| John P. Brennan, 24 De Wolf Street..... | 1   |
| Edwin D. Edwards, 57 Putnam Avenue..... | 1   |
| John J. McCarthy, 31 Putnam Avenue..... | 1   |
| James M. Shannon, 27 Surrey Street..... | 1   |
| Blank .....                             | 563 |

## WARD 9

|  |       |
|--|-------|
| Ruel W. Hussey, 16 Brewer Street.....    | 11    |
| John W. McDonald.....                    | 1     |
| Barnard Kilduff, 20 Lawn Street.....     | 1     |
| William O. Rose, 126 Cushing Street..... | 1     |
| Frank R. Feeney.....                     | 1     |
| William T. Laffey.....                   | 1     |
| Frank Horgan.....                        | 1     |
| Blank .....                              | 1,168 |

## WARD 10

|   |     |
|---|-----|
| Patrick J. Curley, 25 Donnell Street..... | 244 |
| John P. Good, 106 Oxford Street.....      | 230 |
| Blank .....                               | 202 |

## WARD 11

|  |       |
|--|-------|
| Thomas F. Royle, 7 Russell Street.....     | 432   |
| J. Frank Facey, 54 Pemberton Street.....   | 436   |
| John A. Tupper, 8 Meacham Road.....        | 446   |
| Dennis J. Moynahan, 30 Cameron Street..... | 2     |
| Peter J. Nelligan, 23 Rindge Avenue.....   | 1     |
| Blank .....                                | 1,075 |

## DEMOCRATIC WARD COMMITTEE

## WARD 1

|   |       |
|---|-------|
| J. O'Connell, 30 Gore Street.....           | 1     |
| J. McCabe, 117 Fourth Street.....           | 1     |
| Eugene Sullivan, 189 Cambridge Street.....  | 1     |
| Robert H. Ambrose, 83 Thorndike Street..... | 1     |
| Thos. Austin, 61 Spring Street.....         | 1     |
| Peter J. Lyons, Second Street.....          | 1     |
| E. A. Tonner, 55 Spring Street.....         | 1     |
| Blank .....                                 | 4,703 |

## WARD 2

|   |       |
|---|-------|
| William D. Mullen, 207½ Charles Street..... | 441   |
| Henry F. Lehan, 88 Spring Street.....       | 440   |
| Charles J. Williams, 306 Vine Street.....   | 390   |
| William F. Durnan, 95 Sixth Street.....     | 441   |
| James G. Murphy, 87 Seventh Street.....     | 439   |
| Joseph W. Duris, 192 Thorndike Street.....  | 439   |
| Edward Donovan, 184 Otis Street.....        | 440   |
| John J. Kelleher, 140 Gore Street.....      | 440   |
| James T. Barrett, 97 Otis Street.....       | 439   |
| John F. Murphy, 11 Lambert Street.....      | 459   |
| Blank .....                                 | 1,142 |

## WARD 3

|                      |       |
|----------------------|-------|
| Thomas Batt.....     | 1     |
| Wm. J. Boyle.....    | 1     |
| Edw. J. Sennott..... | 1     |
| Blank .....          | 9,447 |

## WARD 4

|   |       |
|---|-------|
| Frank G. Feeney, 187 Harvard Street.....          | 296   |
| Thomas Daly, 8 Essex Street.....                  | 270   |
| Joseph A. O'Neil, 6 Lamson Place.....             | 279   |
| Richard H. Stackhouse, 114½ Hampshire Street..... | 269   |
| Thomas E. Dyar, 118 Harvard Street.....           | 262   |
| James B. Ford, 106 Columbia Street.....           | 268   |
| Mark R. Delaney, 13 Washington Street.....        | 276   |
| Dennis P. Kelliher, 49 Webster Avenue.....        | 258   |
| George T. Dooley, 32 Market Street.....           | 275   |
| Patrick H. McDermott, 12 Essex Street.....        | 279   |
| Blank .....                                       | 1,548 |

## WARD 5

|  |       |
|--|-------|
| Charles A. Fallon, 322 Prospect Street.....    | 317   |
| John T. Bergin, 300 Prospect Street.....       | 338   |
| Samuel W. Pill, 1222 Cambridge Street.....     | 305   |
| Martin Shannon, 188 Hampshire Street.....      | 313   |
| John Mulligan, Jr., 207 Hampshire Street.....  | 306   |
| Joseph L. Lynch, 1264 Cambridge Street.....    | 322   |
| Joseph H. Roper, 8 Clary Street.....           | 296   |
| Francis J. Clover, 10 Clary Street.....        | 299   |
| Ralph S. Ryan, 20 Clary Street.....            | 319   |
| John C. Haverty, 885 Massachusetts Avenue..... | 343   |
| Blank .....                                    | 1,872 |



## DEMOCRATIC WARD COMMITTEE—Continued

## WARD 6

|             |       |
|-------------|-------|
| Blank ..... | 3,580 |
|-------------|-------|

## WARD 7

|                                       |       |
|---------------------------------------|-------|
| John J. Corcoran, Allston Street..... | 1     |
| Daniel J. Toomey.....                 | 1     |
| Jeremiah Quinn.....                   | 1     |
| Edward F. Murphy.....                 | 1     |
| Patrick A. Berkeley.....              | 1     |
| John J. Corcoran.....                 | 1     |
| Thomas Cavanaugh.....                 | 1     |
| Michael Alphen.....                   | 1     |
| John W. Burke.....                    | 1     |
| E. M. Flanagan.....                   | 1     |
| Jere. Corkery.....                    | 1     |
| John E. Mullin, 502 Green Street..... | 1     |
| Blank .....                           | 3,878 |

## WARD 8

|   |       |
|---|-------|
| Edwin D. Edwards, 57 Putnam Avenue.....     | 295   |
| John J. McCarthy, 31 Putnam Avenue.....     | 298   |
| John L. McDonald, 181 Putnam Avenue.....    | 287   |
| Daniel J. Culhane, 102 Banks Street.....    | 294   |
| Judd E. Dewey, 10 Prescott Street.....      | 279   |
| Walter F. Powers, 5 Flagg Street Court..... | 281   |
| John D. O'Flanagan, 15 Beaver Street.....   | 285   |
| Albert P. Hamilton, 90 Kirkland Street..... | 291   |
| Thomas F. Sullivan, 86 Ellery Street.....   | 297   |
| James M. Shannon, 37 Surrey Street.....     | 293   |
| Patrick Shea, 99 Banks Street.....          | 1     |
| Blank .....                                 | 1,619 |

## WARD 9

|   |    |
|---|----|
| Patrick H. Curtin, 167 Cushing Street.....  | 22 |
| Frank J. Brennan, 19 Fairview Street.....   | 17 |
| Peter J. Kenney, 23 Lawn Street.....        | 18 |
| Daniel A. Griffin, 20 Locust Street.....    | 20 |
| Thomas E. Kennedy, 182 Appleton Street..... | 15 |
| John F. O'Brien, 195 Huron Avenue.....      | 18 |
| James Grant, 1 Mifflin Place.....           | 17 |
| Daniel J. Galvin, 10 Kenway Street.....     | 16 |
| Dennis J. O'Brien, 249 Huron Avenue.....    | 14 |
| Edward Grant, 9 Gerry Street.....           | 2  |
| John J. Wallace, 191 Mt. Auburn Street..... | 1  |
| P. M. O'Connor, 11 Lawn Street.....         | 1  |
| Humphrey Sullivan, 8 Kenway Street.....     | 1  |
| James Keough, 262 Mt. Auburn Street.....    | 1  |
| James Mahoney, 289 Mt. Auburn Street.....   | 1  |
| John McCormick, 227 Mt. Auburn Street.....  | 1  |
| Daniel Leary, 21 Sparks Street.....         | 1  |
| Daniel Sullivan, 25 Willard Street.....     | 1  |
| John Doyle, 92 Concord Avenue.....          | 1  |
| William O'Connor, 9 Sparks Street.....      | 1  |
| Frank J. Brennan.....                       | 1  |
| John F. O'Brien.....                        | 1  |

## DEMOCRATIC WARD COMMITTEE—Concluded

## Ward Nine—Concluded

|   |       |
|---|-------|
| Daniel Griffin.....                       | 1     |
| Dennis J. O'Brien.....                    | 1     |
| Daniel J. Galvin.....                     | 1     |
| James Grant.....                          | 1     |
| Thomas E. Kennedy.....                    | 1     |
| Peter J. Kenney.....                      | 1     |
| Patrick Curtin.....                       | 1     |
| Patrick W. O'Connor.....                  | 1     |
| W. P. Connor.....                         | 1     |
| P. W. O'Connor, 11 Sparks Street.....     | 1     |
| William Conor.....                        | 1     |
| James Mahoney.....                        | 1     |
| John Fitzgerald.....                      | 1     |
| John J. Powers, 53 Belmont Street.....    | 1     |
| Michael Killen, 89 Holworthy Street.....  | 1     |
| William F. Powers, 53 Belmont Street..... | 1     |
| Peter Sullivan.....                       | 1     |
| Blank .....                               | 3,767 |

## WARD 10

|   |     |
|---|-----|
| Hugh V. Conley, 107 Garden Street.....      | 250 |
| William J. O'Brien, 127 Huron Avenue.....   | 233 |
| Patrick F. Curley, 25 Donnell Street.....   | 244 |
| David A. Keefe, 8 Wood Street.....          | 239 |
| Walter H. Kirby, 9 Eustis Street.....       | 234 |
| Michael F. Hillery, 58 Eustis Street.....   | 235 |
| Theodore W. Hillier, 107 Oxford Street..... | 234 |
| Philip N. Doherty, 361 Concord Avenue.....  | 242 |
| Timothy J. Shine, 33 Fenno Street.....      | 236 |
| John Buckley, 12 Vincent Street.....        | 241 |
| Blank .....                                 | 992 |

## WARD 11

|   |     |
|---|-----|
| Thomas F. Boyle, 7 Russell Street.....            | 421 |
| J. Frank Facey, 54 Pemberton Street.....          | 426 |
| Frank McDermott, 11 Cogswell Avenue.....          | 424 |
| Denis J. Moynahan, 30 Cameron Avenue.....         | 407 |
| John A. Tupper, 8 Meacham Road.....               | 428 |
| Joseph O. Authier, 2312 Massachusetts Avenue..... | 425 |
| Dennis J. Callahan, 24 Rice Street.....           | 411 |
| James J. Hill, 2058 Massachusetts Avenue.....     | 420 |
| Francis J. Carney, 14 Beech Street.....           | 424 |
| John H. Hurley, Walden Street.....                | 419 |
| Wm. F. Lynch, 55 Cedar Street.....                | 1   |
| Blank .....                                       |     |

| WD. PR.     | GOVERNOR                                     |  |                     |                | LIEUTENANT GOVERNOR |   |                            |                 | SECY  |  | TREASURER |  |   |                                 | AUD'T'R |   | ATTORNEY GENERAL |   |                  |                                  | COUNCILLOR |  |           |   |                               |       |
|-------------|--|--|---------------------|----------------|---------------------|---|----------------------------|-----------------|-------|--|-----------|--|---|---------------------------------|---------|---|------------------|---|------------------|----------------------------------|------------|--|-----------|---|-------------------------------|-------|
|             | Whole number of ballots cast                 |  |                     |                |                     |   |                            |                 |       |  |           |  |   |                                 |         |   |                  |   |                  |                                  | 3rd Dist.  |  | 4th Dist. |   |                               |       |
| 1....       | Everett O. Benton,<br>75 Oakley Rd., Belmont | Augustus P. Gardner,<br>Main St., Hamilton | Charles Sumner Bird | Eugene N. Foss | Blank               | Augustus H. Goetting,<br>767 State St., Springfield | Robert Luce,<br>Somerville | Daniel Cosgrove | Blank | William S. Kinney,<br>52 Westland Ave., Boston | Blank     | Charles T. Burrill,<br>50 Beacon St., Boston | Maurice Kane,<br>22 Fullerton Ave., Whitman | Elmer E. Stevens,<br>Somerville | Blank   | John E. White,<br>Greenwood Ave., Tisbury | Blank            | James M. Swift,<br>294 French St., Fall River | Robert D. Weston | Charles Almy,<br>147 Brattle St. | Blank      | Albion C. Russell,<br>84 Clifton St., Boston | Blank     | Alexander McGregor,<br>Summer St., Malden | Pinneas Hubbard,<br>Cambridge | Blank |
| 2....       | 10   | 7  |                     |                | 1                   | 17  |                            |                 | 2     | 16   | 14        | 14   | 3   |                                 | 1       | 17  | 1                | 17  |                  |                                  | 14         | 4  |           | 237                                       |                               | 37    |
| 3....       | 5  | 2  |                     |                | 0                   | 7   |                            |                 | 0     | 7  | 6         | 10   | 1   |                                 | 0       | 7   | 0                | 14  |                  |                                  | 7          | 0  |           | 258                                       |                               | 83    |
| 4....       | 8  | 7  |                     |                | 0                   | 15  |                            |                 | 1     | 14   | 55        | 196  | 12  |                                 | 1       | 14  | 1                | 71  |                  |                                  | 14         | 1  |           | 269                                       |                               | 97    |
| 5....       | 56   | 32   |                     |                | 10                  | 70  |                            |                 | 31    | 67   | 231       | 241  | 44  |                                 | 34      | 68  | 30               | 237   |                  |                                  | 60         | 38   |           | 155                                       |                               | 38    |
| 6....       | 98   | 166  |                     |                | 10                  | 243   |                            |                 | 43    | 231  | 196       | 255  | 40  | 1                               | 31      | 271                                       | 70               | 272   |                  |                                  | 27         |  |           | 66  |                               | 23    |
| 7....       | 158  | 167  |                     |                | 16                  | 290   |                            |                 | 64    | 277  | 147       | 147  | 37  |                                 | 60      | 283                                       | 83               | 288   |                  |                                  | 37         |  |           | 67  |                               | 14    |
| 8....       | 205  | 129  |                     |                | 31                  | 297   |                            |                 | 85    | 281  | 71        | 71   | 22  |                                 | 24      | 168                                       | 25               | 170   | 1                |                                  | 14         |  |           | 59  |                               | 5     |
| 9....       | 69   | 118  |                     |                | 6                   | 171   |                            |                 | 28    | 165  | 65        | 65   | 5   |                                 | 13      | 76  | 13               | 74  |                  |                                  | 9          |  |           | 66  |                               | 23    |
| 9....       | 32   | 56   |                     |                | 1                   | 80  | 1                          |                 | 18    | 71   | 65        | 65   | 10  |                                 | 6       | 72  | 9                | 71  |                  |                                  | 4          |  |           | 67  |                               | 14    |
| 9....       | 16   | 64   |                     |                | 1                   | 71  |                            |                 | 9     | 72   | 56        | 56   | 3   |                                 | 5       | 60  | 4                | 60  |                  |                                  | 27         |  |           | 59  |                               | 5     |
| 9 Totals..  | 72   | 160  |                     |                | 2                   | 210   | 1                          |                 | 32    | 202  | 192       | 192  | 18  |                                 | 24      | 208                                       | 26               | 205   | 1                | 1                                |            |  |           | 192                                       |                               | 42    |
| 10....      | 45   | 76   |                     |                | 3                   | 109   |                            |                 | 19    | 105  | 95        | 95   | 13  |                                 | 16      | 110                                       | 14               | 113   |                  |                                  |            |  |           | 105                                       |                               | 19    |
| 10....      | 44   | 95   | 1                   |                | 2                   | 134   | 1                          |                 | 11    | 131  | 124       | 124  | 10  |                                 | 8       | 131                                       | 11               | 133   |                  |                                  |            |  |           | 126                                       | 1                             | 15    |
| 10....      | 14   | 11   |                     |                | 0                   | 24  |                            |                 | 4     | 21   | 21        | 21   | 4   |                                 | 0       | 24  | 1                | 24  |                  |                                  |            |  |           | 19  |                               | 6     |
| 10 Totals.. | 103  | 182  | 1                   |                | 5                   | 267   |                            | 1               | 34    | 257  | 240       | 240  | 27  |                                 | 24      | 265                                       | 26               | 270   |                  |                                  |            |  |           | 250                                       | 1                             | 40    |
| 11....      | 60   | 61   |                     |                | 4                   | 108   |                            |                 | 24    | 101  | 92        | 92   | 15  |                                 | 18      | 105                                       | 20               | 107   |                  |                                  |            |  |           | 93  |                               | 32    |
| Grand T's.. | 844  | 1,031                                      | 1                   | 1              | 85                  | 1,695   | 1                          | 1               | 344   | 1,618  | 1,448     | 1,448  | 223   | 1                               | 290     | 1,643                                     | 319              | 1,658   | 1                | 1                                | 95         | 43   |           | 1,454                                     | 1                             | 369   |



| SENATOR                                     |       |                                       |   |              |                                    |                                   |              |   |                                     | REPRESENTATIVES                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
|---|-------|---------------------------------------|---|--------------|------------------------------------|-----------------------------------|--------------|---|-------------------------------------|---------------------------------|--|-------------------------------------|-----------------|-------|--|--------------------------------------|--------------------------------------|---|------------------------------------|--|-------|
| 2d Suff'k                                   |       | 3rd Suffolk                           |   | 2d Middlesex |                                    | 1st Mid'x                         | 2d Middlesex |   |                                     |                                 |  | 3rd Middlesex                       |                 |       |  |                                      |                                      |   |                                    |  |       |
| Arthur W. Forbush,<br>12 Albion Pl., Boston | Blank | John H. Farley,<br>5 Wall St., Boston | Thaxter R. Groves,<br>8 Bowdoin St., Boston | Blank        | James W. Bean,<br>5 Ellsworth Ave. | George L. Dow,<br>361 Harvard St. | Blank        | Frederic F. Clauss,<br>18 Glenwood Ave. | Charles N. James,<br>151 Austin St. | Julius Meyers,<br>417 Green St. | Clement G. Morgan,<br>265 Prospect St. | Charles J. Wood,<br>63 Magazine St. | James H. Murphy | Blank | Marshall F. Blanchard,<br>159 Upland Rd. | Kenneth Page Hill,<br>230 Upland Rd. | Nelson C. Metcalf,<br>22 Linnean St. | C. Burnside Seagrave,<br>48 Bellevue Ave. | Roger D. Swain,<br>190 Brattle St. | Samuel H. Talbot,<br>22 Woodbridge St. | Blank |
| WD. PR.                                     | 14    | 4                                     |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 143                                      | 75                                   | 57                                   | 87  | 122                                | 30                                     | 65    |
| 1....                                       | 6     | 1                                     |   |              |                                    | 36                                |              | 47                                      | 36                                  | 61                              | 42                                     | 40                                  |                 |       | 55                                       | 40                                   | 37                                   | 30  | 60                                 | 10                                     | 35    |
| 2....                                       | 13    | 2                                     |   |              |                                    | 14                                |              | 134                                     | 169                                 | 125                             | 92                                     | 182                                 | 1               |       | 56                                       | 34                                   | 29                                   | 25  | 71                                 | 3                                      | 25    |
| 3....                                       |       |                                       |   |              |                                    | 30                                |              | 226                                     | 166                                 | 176                             | 73                                     | 207                                 |                 |       | 56                                       | 34                                   | 29                                   | 25  | 71                                 | 3                                      | 25    |
| 4....                                       |       |                                       |   |              |                                    |                                   |              | 172                                     | 146                                 | 244                             | 105                                    | 251                                 |                 |       | 45                                       | 27                                   | 19                                   | 30  | 50                                 | 7                                      | 14    |
| 5....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 6....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 7....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 8....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 9....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 9....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 9....                                       |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       |  |                                      |                                      |   |                                    |  |       |
| 9 Totals...                                 |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 156                                      | 101                                  | 85                                   | 85  | 181                                | 20                                     | 74    |
| 10....                                      |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 89                                       | 54                                   | 69                                   | 74  | 53                                 | 13                                     | 20    |
| 10....                                      |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 119                                      | 71                                   | 45                                   | 97  | 54                                 | 13                                     | 27    |
| 10....                                      |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 21                                       | 10                                   | 9                                    | 16  | 14                                 | 5                                      | 0     |
| 10 Totals..                                 |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 229                                      | 135                                  | 123                                  | 187                                       | 121                                | 31                                     | 47    |
| 11....                                      |       |                                       |   |              |                                    |                                   |              |   |                                     |                                 |  |                                     |                 |       | 88                                       | 41                                   | 25                                   | 72  | 25                                 | 70                                     | 54    |
| Grand T'ls.                                 | 33    | 7                                     | 29  | 31           | 38                                 | 80                                | 579          | 517                                     | 606                                 | 312                             | 680                                    | 1                                   | 512             | 616   | 352                                      | 290                                  | 431                                  | 449                                       | 151                                | 240                                    |       |

## VOTES CAST AT PRIMARIES

[illegible]

REPUBLICAN PRIMARY—Continued

| WARD<br>PREC.    | DISTRICT<br>ATTORNEY                             |                   |       | REGISTER OF<br>PROBATE                           |       | REGISTER OF<br>DEEDS               |                    |       | STATE COMMITTEE |             |              |    |     |
|------------------|--|-------------------|-------|--|-------|------------------------------------|--------------------|-------|-----------------|-------------|--------------|----|-----|
|                  | John J. Higgins,<br>10 Dartmouth St., Somerville | Archibald M. Howe | Blank | William F. Rogers,<br>46 Chestnut St., Wakefield | Blank | Thomas Leighton,<br>73 Fayette St. | Albert M. Richards | Blank | 2d Suffolk      | 3rd Suffolk | 2d Middlesex |    |     |
| 1.....           | 16   |                   | 2     | 16   | 2     | 16                                 |                    | 2     | 13              |             |              |    |     |
| 2.....           | 7  |                   | 0     | 7  | 0     | 7                                  |                    | 0     | 7               |             |              |    |     |
| 3.....           | 13   |                   | 2     | 13   | 2     | 14                                 |                    | 1     | 14              |             |              |    |     |
| 4.....           | 69   |                   | 29    | 62   | 36    | 62                                 |                    | 36    |                 |             |              |    |     |
| 5.....           | 237  |                   | 37    | 227  | 47    | 235                                | 1                  | 38    |                 |             |              |    |     |
| 6.....           | 250  |                   | 91    | 245  | 96    | 254                                |                    | 87    |                 |             |              |    | 46  |
| 7.....           | 278  |                   | 88    | 255  | 111   | 265                                |                    | 101   |                 |             |              |    | 84  |
| 8.....           | 158  |                   | 35    | 156  | 37    | 157                                |                    | 36    |                 |             |              |    | 103 |
| 9.....           | 64   | 1                 | 24    | 65   | 24    | 68                                 |                    | 21    |                 |             |              |    | 45  |
| 9.....           | 71   |                   | 10    | 67   | 14    | 68                                 |                    | 13    |                 |             |              |    | 24  |
| 9.....           | 60   |                   | 4     | 55   | 9     | 58                                 |                    | 6     |                 |             |              |    | 18  |
| 9..... Totals..  | 195  | 1                 | 38    | 187  | 47    | 194                                |                    | 40    |                 |             |              |    | 11  |
| 10.....          | 108  |                   | 16    | 101  | 23    | 102                                |                    | 22    |                 |             |              |    | 53  |
| 10.....          | 118  |                   | 24    | 117  | 25    | 123                                |                    | 19    |                 |             |              |    | 28  |
| 10.....          | 23   |                   | 2     | 21   | 4     | 24                                 |                    | 1     |                 |             |              |    | 24  |
| 10..... Totals.. | 249  |                   | 42    | 239  | 52    | 249                                |                    | 42    |                 |             |              |    | 2   |
| 11.....          | 103  |                   | 22    | 95   | 30    | 102                                |                    | 23    |                 |             |              |    | 54  |
| Grand Totals.... | 1,575  | 1                 | 386   | 1,502  | 460   | 1,555                              | 1                  | 406   | 34              | 6           | 58           | 40 | 407 |



## DELEGATES TO REPUBLICAN STATE CONVENTION

## WARD 1

|   |    |
|---|----|
| John R. Fairbairn, 50 Thorndike Street..... | 16 |
| Blank .....                                 | 2  |

## WARD 2

|  |   |
|--|---|
| Arthur M. Redman, 71 Fifth Street..... | 6 |
| Blank .....                            | 1 |

## WARD 3

|                       |    |
|-----------------------|----|
| William H. Joyce..... | 15 |
| Blank .....           | 0  |

## WARD 4

|                            |    |
|----------------------------|----|
| Winslow Herbert Dodge..... | 77 |
| John C. Jacobson.....      | 73 |
| Blank .....                | 46 |

## WARD 5

|   |     |
|---|-----|
| Frank C. Chamberlain, 2 Hancock Park..... | 249 |
| Frank A. Allen, 5 Ellsworth Avenue.....   | 252 |
| James W. Bean, 5 Ellsworth Avenue.....    | 253 |
| Blank .....                               | 68  |

## WARD 6

|   |     |
|---|-----|
| Harry A. Penniman, 55 Grant Street.....     | 289 |
| George B. Whitmore, 23 Glenwood Avenue..... | 287 |
| Malcolm E. Rideout, 66 Chestnut Street..... | 282 |
| Blank .....                                 | 165 |

## WARD 7

|  |     |
|--|-----|
| Fred L. Beunke, 225 Franklin Street.....     | 301 |
| William L. Lathrop, 237 Franklin Street..... | 293 |
| Alexander Dunn, 19 Perry Street.....         | 299 |
| Blank .....                                  | 205 |

## WARD 8

|  |     |
|--|-----|
| Walter C. Wardwell, 465 Broadway.....      | 173 |
| George L. Dow, 361 Harvard Street.....     | 177 |
| George K. Higgins, 356 Harvard Street..... | 172 |
| Blank .....                                | 57  |

## WARD 9

|   |     |
|---|-----|
| John Read, 55 Appleton Street.....        | 219 |
| Harry F. R. Dolan, 390 Huron Avenue.....  | 210 |
| George E. Saunders, 3 Concord Avenue..... | 216 |
| Stoughton Bell, 164 Brattle Street.....   | 219 |
| Blanks .....                              | 72  |

## WARD 10

|   |     |
|---|-----|
| Marshall F. Blanchard, 159 Upland Road..... | 270 |
| Henry W. Beal, 120 Avon Hill Street.....    | 268 |
| Harry W. Stearns, 6 Avon Street.....        | 272 |
| Blank .....                                 | 63  |

## WARD 11

|  |     |
|--|-----|
| William H. King, 19 Newman Street..... | 111 |
| Philip R. Amidon, 24 Beech Street..... | 112 |
| Elmer F. Butler, 17 Hollis Street..... | 108 |
| Blank .....                            | 44  |

## REPUBLICAN WARD COMMITTEE

## WARD 1

|  |    |
|--|----|
| John W. Garvin, 276 Cambridge Street.....    | 14 |
| Edward L. Brodie, 59 Otis Street.....        | 14 |
| Carl A. Lindquist, 128 Cambridge Street..... | 13 |
| William Ward, 197 Vine Street.....           | 14 |
| Edward B. Malley, 83 Third Street.....       | 3  |
| Blank .....                                  | 32 |

## WARD 2

|   |   |
|---|---|
| Arthur M. Redman, 71 Fifth Street.....      | 7 |
| Horace S. Jackman, 90 Thorndike Street..... | 7 |
| Warren L. Rich, 98 Otis Street.....         | 7 |
| Wm. G. Andrew, 374 Cambridge Street.....    | 7 |
| Blank .....                                 | 7 |

## WARD 3

|  |    |
|--|----|
| William H. Joyce, 396 Windsor Street.....  | 13 |
| Louis Hansis, 394 Windsor Street.....      | 13 |
| George W. Manser, 345 Columbia Street..... | 13 |
| Arthur L. Russell, 322 Windsor Street..... | 13 |
| G. Henry Hodgkins.....                     | 1  |
| Blank .....                                | 22 |

## WARD 4

|   |     |
|---|-----|
| Winslow Herbert Dodge, 132 Columbia Street..... | 76  |
| John C. Jacobson, 216 Harvard Street.....       | 73  |
| George F. Mullett, 19 Worcester Street.....     | 70  |
| D. Louis Donnini, 180 Columbia Street.....      | 69  |
| William H. Lee, 144 Hastings Street.....        | 74  |
| John Garfinkle, 21 Market Street.....           | 70  |
| Blank .....                                     | 156 |

## WARD 5

|   |     |
|---|-----|
| Clement G. Morgan, 265 Prospect Street..... | 227 |
| William R. Davis, 349 Broadway.....         | 229 |
| Samuel W. Bailey, 22 Inman Street.....      | 228 |
| Daniel J. Keefe, 17 Ellsworth Avenue.....   | 222 |
| Frank C. Chamberlain, 2 Hancock Park.....   | 228 |
| Ernest A. Thompson, 24 Inman Street.....    | 227 |
| Roland E. Brown, 10 Centre Street.....      | 220 |
| Blank .....                                 | 381 |

## WARD 6

|   |     |
|---|-----|
| Harry A. Penniman, 55 Granite Street.....       | 273 |
| George B. Whitmore, 23 Glenwood Avenue.....     | 269 |
| Frederic F. Clauss, 18 Glenwood Avenue.....     | 281 |
| Charles T. Weeks, 407 Massachusetts Avenue..... | 271 |
| Harold M. Bradbury, 276 Pearl Street.....       | 269 |
| Minor F. Hamlin, 32 Windsor Street.....         | 270 |
| Blank .....                                     | 754 |

## REPUBLICAN WARD COMMITTEE—Continued

## WARD 7

|   |     |
|---|-----|
| James K. Tweedie, 240 Franklin Street.....    | 282 |
| Theodore R. Bird, 17 Kinnaird Street.....     | 270 |
| Charles E. Carruth, 2nd, 9 Laurel Street..... | 279 |
| Isaac L. Polock, 106 Pleasant Street.....     | 270 |
| Cornelius J. McArthur, 39 Prince Street.....  | 270 |
| Charles J. Wood, 63 Magazine Street.....      | 285 |
| Obert Sletton, 19 Prince Street.....          | 270 |
| Blank .....                                   | 636 |

## WARD 8

|   |     |
|---|-----|
| Arthur S. Bennink, 27 Dana Street.....      | 170 |
| Howard F. Peak, 54 Hammond Street.....      | 168 |
| Wilfrid L. Clark, 9 Sumner Road.....        | 168 |
| Richard F. Higgins, 356 Harvard Street..... | 168 |
| George Stephens, 53 Ellery Street.....      | 169 |
| George L. Dorr, 361 Harvard Street.....     | 173 |
| Blank .....                                 | 167 |

## WARD 9

|   |     |
|---|-----|
| Stoughton Bell, 164 Brattle Street.....         | 213 |
| Harry F. R. Dolan, 390 Huron Avenue.....        | 204 |
| Roger D. Swaim, 190 Brattle Street.....         | 214 |
| Robert Walcott, 18 Hawthorn Street.....         | 213 |
| Albert S. Apsey, 148 Brattle Street.....        | 207 |
| Clarence H. Poor, Jr., 57 Highland Street.....  | 211 |
| Arthur Drinkwater, 59 Buckingham Street.....    | 209 |
| George E. Saunders, 5 Concord Avenue.....       | 3   |
| Nathaniel C. Nash, Jr., 1 Reservoir Street..... | 1   |
| E. A. Andrews, 7 Brown Street.....              | 1   |
| W. H. Dunbar, Highland Street.....              | 1   |
| J. A. Lutheim, 460 Huron Avenue.....            | 1   |
| C. W. White, Fresh Pond Parkway.....            | 1   |
| Blank .....                                     | 392 |

## WARD 10

|   |     |
|---|-----|
| Marshall F. Blanchard, 159 Upland Road..... | 266 |
| Henry W. Beal, 120 Avon Hill Street.....    | 261 |
| Kenneth Page Hill, 230 Upland Road.....     | 265 |
| George W. Long, 5 Frost Street.....         | 261 |
| Farwell E. Thayer, 44 Garfield Street.....  | 259 |
| Nelson E. Metcalf, 22 Linnaean Street.....  | 261 |
| George B. Wason, 7 Walnut Avenue.....       | 269 |
| Harry W. Stearns, 6 Avon Street.....        | 267 |
| Blank .....                                 | 223 |

## WARD 11

|  |     |
|--|-----|
| Philip R. Amidon, 24 Beech Street.....       | 103 |
| James S. Crawford, 20 Woodbridge Street..... | 100 |
| Elmer F. Butler, 17 Hollis Street.....       | 100 |
| Early M. Perry, 18 Jackson Street.....       | 105 |
| Harry W. McKay, 55 Pemberton Street.....     | 98  |
| George Provost, 141 Rindge Avenue.....       | 100 |
| John Vogel, 15 Creighton Street.....         | 98  |
| Blank .....                                  | 171 |



VOTES CAST AT PROGRESSIVE PARTY PRIMARY, SEPTEMBER 23, 1913.

| WD. PR.       | GOVERNOR                     |                            | LIEUT. GOVERNOR |       | SECRETARY                               |       | TREASURER                        |       | AUDITOR                                     |       | ATTORNEY GENERAL                                |       | COUNCILLOR                                 |       |
|---------------|------------------------------|----------------------------|-----------------|-------|---|-------|----------------------------------|-------|---|-------|---|-------|--|-------|
|               | Whole number of ballots cast | Chas. Sumner Bird, Walpole | Gardner         | Blank | Daniel Cosgrove, 492 Gorham St., Lowell | Blank | Russell A. Wood, 1691 Mass. Ave. | Blank | Warren R. Keith, 310 Copeland St., Brockton | Blank | Octave A. La Riviere, 168 Main St., Springfield | Blank | H. Huestis Newton, 92 Waverly St., Everett | Blank |
| 1.....        | 1                            | 1                          | 0               | 0     | 1                                       | 0     | 1                                | 0     | 1   | 0     | 1   | 0     | 1  | 0     |
| 2.....        | 1                            | 1                          | 0               | 0     | 1                                       | 0     | 1                                | 0     | 1   | 0     | 1   | 0     | 1  | 0     |
| 3.....        | 1                            | 1                          | 0               | 0     | 1                                       | 0     | 1                                | 0     | 1   | 0     | 1   | 0     | 1  | 0     |
| 4.....        | 12                           | 12                         | 0               | 1     | 10                                      | 2     | 20                               | 2     | 10  | 2     | 20  | 2     | 12   | 2     |
| 5.....        | 22                           | 22                         | 0               | 1     | 20                                      | 2     | 22                               | 2     | 21  | 2     | 25  | 2     | 21   | 2     |
| 6.....        | 24                           | 21                         | 3               | 1     | 23                                      | 2     | 26                               | 4     | 26  | 3     | 18  | 3     | 15   | 3     |
| 7.....        | 28                           | 27                         | 0               | 2     | 18                                      | 0     | 18                               | 2     | 18  | 0     | 7   | 0     | 7  | 0     |
| 8.....        | 18                           | 18                         | 0               | 0     | 7                                       | 0     | 7                                | 0     | 7   | 0     | 7   | 0     | 7  | 0     |
| 9.....        | 7                            | 7                          | 0               | 0     | 6                                       | 1     | 4                                | 0     | 5   | 0     | 5   | 0     | 5  | 0     |
| 9.....        | 5                            | 5                          | 0               | 0     | 4                                       | 1     | 5                                | 0     | 5   | 0     | 5   | 0     | 5  | 0     |
| 9 Totals....  | 19                           | 19                         | 0               | 0     | 17                                      | 2     | 19                               | 0     | 19  | 0     | 19  | 0     | 19   | 0     |
| 10.....       | 10                           | 10                         | 0               | 0     | 9                                       | 1     | 10                               | 0     | 9   | 1     | 10  | 0     | 9  | 1     |
| 10.....       | 10                           | 10                         | 0               | 1     | 9                                       | 1     | 9                                | 1     | 10  | 0     | 9   | 1     | 7  | 3     |
| 10.....       | 2                            | 2                          | 0               | 0     | 2                                       | 0     | 2                                | 1     | 1   | 1     | 2   | 0     | 1  | 1     |
| 10 Totals.... | 22                           | 22                         | 0               | 1     | 20                                      | 2     | 20                               | 2     | 20  | 2     | 21  | 1     | 17   | 5     |
| 11.....       | 14                           | 14                         | 0               | 0     | 13                                      | 1     | 13                               | 1     | 14  | 0     | 14  | 0     | 12   | 2     |
| Grand Totals  | 162                          | 158                        | 1               | 3     | 149                                     | 13    | 149                              | 13    | 151   | 11    | 151   | 11    | 122  | 25    |

## VOTES CAST AT PRIMARIES

| SENATOR      |       |                                       |       |   |            |             |              |                                     |  | REPRESENTATIVES                   |                                  |                                   |                                    |       |  |              |              |                                       |                                      |                              |                                     |       |     |
|--------------|-------|---------------------------------------|-------|---|------------|-------------|--------------|-------------------------------------|--|-----------------------------------|----------------------------------|-----------------------------------|------------------------------------|-------|--|--------------|--------------|---------------------------------------|--------------------------------------|------------------------------|-------------------------------------|-------|-----|
| 2d Suf.      |       | 3d Suf.                               |       | 2d Middlesex                                |            | 1st Mid'x   | 2d Middlesex |                                     |  |                                   |                                  | 3rd Middlesex                     |                                    |       |  |              |              |                                       |                                      |                              |                                     |       |     |
| Blank        | Blank | John H. Farley,<br>5 Wall St., Boston | Blank | Geo. R. Henderson,<br>10 Day St., Cambridge | A. B. Hart | Geo. L. Dow | Blank        | Geo. A. Goodwin,<br>36 Glenwood Av. | Hugh J. McGinness,<br>118 1-2 Pleasant St. | John F. Ollis,<br>117 Harvard St. | Roy E. Rileigh,<br>355 Mass. Av. | Joseph E. Wall,<br>23 Decatur St. | Rupert D. Worcester,<br>54 Lee St. | Blank | William F. Beaman,<br>88 Pemberton St. | H. T. Patten | A. Z. Conter | Arthur K. Reading,<br>88 Hilliard St. | Azarie Z. Carter,<br>77 Yorktown St. | Albert Bushnell,<br>Hart St. | Harold T. Patten,<br>48 Brattle St. | Blank |     |
| 1            | 1     | 10                                    | 2     | 181   | 1          | 1           | 6            | 10                                  | 6  | 10                                | 1                                | 2                                 | 5                                  | 0     | 17                                     | 5            | 4            | 1                                     | 3                                    | 3                            | 1                                   | 3     | 30  |
| 1            | 0     |                                       |       | 20  | 1          |             | 2            | 17                                  | 5  | 7                                 | 4                                | 10                                | 17                                 | 3     | 7                                      | 3            | 2            |                                       |                                      |                              |                                     |       | 5   |
| 1            | 0     |                                       |       | 24  |            |             | 2            | 17                                  | 5  | 7                                 | 4                                | 11                                | 11                                 | 14    | 7                                      | 1            | 1            |                                       |                                      |                              |                                     |       | 8   |
|              |       |                                       |       | 18  | 1          |             | 4            | 18                                  | 18   | 10                                | 1                                | 19                                | 8                                  | 10    | 5                                      | 5            |              |                                       |                                      |                              |                                     |       | 30  |
|              |       |                                       |       | 6   |            |             | 0            |                                     |  |                                   |                                  |                                   |                                    |       | 4                                      |              |              |                                       |                                      |                              |                                     |       | 8   |
|              |       |                                       |       | 7   |            |             | 0            |                                     |  |                                   |                                  |                                   |                                    |       | 0                                      |              |              |                                       |                                      |                              |                                     |       | 5   |
|              |       |                                       |       | 5   |            |             | 0            |                                     |  |                                   |                                  |                                   |                                    |       | 0                                      |              |              |                                       |                                      |                              |                                     |       | 8   |
|              |       |                                       |       | 18  |            |             | 0            |                                     |  |                                   |                                  |                                   |                                    |       | 0                                      |              |              |                                       |                                      |                              |                                     |       | 21  |
| 9 Totals..   |       |                                       |       | 18  | 1          |             | 0            |                                     |  |                                   |                                  |                                   |                                    |       | 19                                     | 9            | 7            | 1                                     | 1                                    |                              |                                     |       |     |
| 10.... 1.... |       |                                       |       | 9   |            | 1           | 1            |                                     |  |                                   |                                  |                                   |                                    |       | 8                                      | 5            | 5            |                                       |                                      |                              |                                     |       | 12  |
| 10.... 2.... |       |                                       |       | 8   |            |             | 1            |                                     |  |                                   |                                  |                                   |                                    |       | 9                                      |              |              |                                       |                                      |                              |                                     |       | 13  |
| 10.... 3.... |       |                                       |       | 1   |            |             | 1            |                                     |  |                                   |                                  |                                   |                                    |       | 1                                      |              |              |                                       |                                      |                              |                                     |       | 3   |
| 10 Totals..  |       |                                       |       | 18  |            | 1           | 3            |                                     |  |                                   |                                  |                                   |                                    |       | 18                                     | 5            | 5            |                                       |                                      |                              |                                     |       | 28  |
| 11....       |       |                                       |       | 13  |            |             | 1            |                                     |  |                                   |                                  |                                   |                                    |       | 13                                     |              |              |                                       |                                      |                              |                                     |       | 22  |
| Grand T'ls.  | 3     | 1                                     | 10    | 2   | 131        | 1           | 14           | 62                                  | 34   | 34                                | 18                               | 42                                | 41                                 | 27    | 67                                     | 14           | 12           | 1                                     | 12                                   | 1                            | 11                                  |       | 101 |

| WARD PREC.     | COUNTY COMMISSIONER                           |                           |       | ASSOCIATE COMMISSIONERS |              |              |                            |   | DIST. ATTY.                | REGISTER OF PROBATE AND INSOLVENCY |                                    |                                  |       | REGISTER OF DEEDS                  |       | STATE COMMITTEE |            |              |       |
|----------------|---|---------------------------|-------|-------------------------|--------------|--------------|----------------------------|---|----------------------------|------------------------------------|------------------------------------|----------------------------------|-------|------------------------------------|-------|-----------------|------------|--------------|-------|
|                | C. A. Vaughan                                 | Frank A. Patch, Littleton | Blank | A. F. Parker            | C. W. Atkins | W. K. Little | Albert T. Parker, Pepprell | Charles W. Atkins, 137 Elm St., Everett | Albert F. Parker, Pepprell | Blank                              | Charles A. Vaughan, 16 Cottage St. | Harold J. Patten, 48 Brattle St. | Blank | Albion M. Richards, 22 Bigelow St. | Blank | 2d Suf.         | 3d Suffolk | 2d Middlesex |       |
| 1.....         | Charles H. McIntire, 931 Westford St., Lowell |                           | 1     | 0                       |              |              |                            |   |                            | 1                                  | 1                                  | 1                                | 1     | 1                                  | 0     | Blank           | Blank      | Blank        | Blank |
| 2.....         |   |                           | 0     | 0                       |              |              |                            |   |                            | 1                                  | 1                                  | 1                                | 1     | 0                                  | 1     | 1               | 1          | 1            | 1     |
| 3.....         |   |                           | 0     | 0                       |              |              |                            |   |                            | 1                                  | 1                                  | 1                                | 1     | 1                                  | 0     | 1               | 1          | 1            | 1     |
| 4.....         |   |                           | 0     | 0                       |              |              |                            |   |                            | 1                                  | 1                                  | 1                                | 1     | 1                                  | 0     | 1               | 1          | 1            | 1     |
| 5.....         |   |                           | 1     | 1                       |              |              |                            |   |                            | 10                                 | 12                                 | 20                               | 10    | 10                                 | 2     | 1               | 3          | 9            | 4     |
| 6.....         |   |                           | 1     | 1                       |              |              |                            |   |                            | 18                                 | 24                                 | 25                               | 20    | 20                                 | 2     | 1               | 3          | 2            | 22    |
| 7.....         |   |                           | 4     | 5                       |              |              |                            |   |                            | 24                                 | 24                                 | 25                               | 24    | 18                                 | 6     | 1               | 1          | 1            | 24    |
| 8.....         |   |                           | 1     | 1                       |              |              |                            |   |                            | 16                                 | 18                                 | 18                               | 18    | 15                                 | 3     | 1               | 1          | 1            | 24    |
| 9.....         |   |                           | 0     | 0                       |              |              |                            |   |                            | 7                                  | 7                                  | 7                                | 7     | 5                                  | 2     | 1               | 1          | 1            | 16    |
| 9.....         |   |                           | 0     | 0                       |              |              |                            |   |                            | 5                                  | 5                                  | 5                                | 5     | 4                                  | 1     | 1               | 2          | 2            | 6     |
| 9.....         |   |                           | 0     | 0                       |              |              |                            |   |                            | 0                                  | 0                                  | 0                                | 0     | 0                                  | 0     | 1               | 1          | 1            | 4     |
| Totals.        | 19  |                           | 0     | 5                       | 5            |              |                            |   |                            | 19                                 |                                    |                                  |       | 16                                 | 3     |                 | 1          |              |       |
| 10.....        |   | 1                         | 2     | 3                       | 4            | 1            |                            |   |                            | 8                                  | 8                                  | 8                                | 8     | 9                                  | 1     |                 | 2          | 2            | 3     |
| 10.....        |   | 1                         | 2     | 3                       | 4            | 1            |                            |   |                            | 2                                  | 10                                 | 10                               | 10    | 7                                  | 3     |                 | 1          | 1            | 9     |
| 10.....        |   |                           | 0     |                         |              |              |                            |   |                            | 1                                  | 2                                  | 2                                | 2     | 0                                  | 2     |                 |            | 2            | 2     |
| Totals.        | 16  | 1                         | 4     | 3                       | 4            | 1            |                            |   |                            | 17                                 | 18                                 |                                  |       | 16                                 | 6     |                 |            | 3            | 19    |
| 11.....        | 13  |                           | 1     |                         |              |              |                            |   |                            | 12                                 | 13                                 | 1                                |       | 11                                 | 3     |                 |            | 3            | 11    |
| Grand Totals.. | 141   | 1                         | 19    | 8                       | 9            | 1            | 3                          | 5                                       | 3                          | 138                                | 154                                | 1                                | 1     | 131                                | 31    | 3               | 9          | 2            | 132   |



## PROGRESSIVE DELEGATES TO STATE CONVENTION

| WARD 1                                       |    |
|--|----|
| E. C. Morse, 74 Thorndike Street.....        | 1  |
| Carl A. Grellbrand, Cambridge.....           | 1  |
| Oscar A. Berlanger, Cambridge.....           | 1  |
| Blank .....                                  | 0  |
| WARD 2                                       |    |
| Blank .....                                  | 3  |
| WARD 3                                       |    |
| Blank .....                                  | 3  |
| WARD 4                                       |    |
| Thomas Kay, 232 Broadway.....                | 11 |
| William E. Sheehan, 153½ Harvard Street..... | 11 |
| Edmund A. Smith, 10 Suffolk Street.....      | 11 |
| Blank .....                                  | 3  |
| WARD 5                                       |    |
| Samuel Noyes, 15 Bigelow Street.....         | 22 |
| Daniel Mackillop, 307 Broadway.....          | 22 |
| William M. Macnair, 40 Highland Avenue.....  | 22 |
| Hiram S. Cutting, 375 Broadway.....          | 21 |
| Blank .....                                  | 1  |
| WARD 6                                       |    |
| Joseph E. Wall, 23 Decatur Street.....       | 22 |
| George A. Goodwin, 35 Glenwood Avenue.....   | 21 |
| John M. Murray, 493 Main Street .....        | 21 |
| Herbert A. Hall, 216 Erie Street.....        | 21 |
| James B. Harris, 20 Glenwood Avenue.....     | 21 |
| Blank .....                                  | 14 |
| WARD 7                                       |    |
| H. D. Carson, 25 Pearl Street.....           | 3  |
| G. M. C. Caskey, 63 Putnam Avenue.....       | 4  |
| Charles Vaughan, 16 Cottage Street.....      | 4  |
| Edna Spencer, 9 Pleasant Street.....         | 3  |
| Blank .....                                  | 14 |
| WARD 8                                       |    |
| Wayne K. Little, 18 Trowbridge Street.....   | 17 |
| Leonard F. Williams, 61 Dana Street.....     | 17 |
| Hugh G. Anderson, 89 Trowbridge Street.....  | 17 |
| Blank .....                                  | 3  |
| WARD 9                                       |    |
| Frank H. Thomas, 3 Langdon Square.....       | 19 |
| Russell D. Crane, 162 Lakeview Avenue.....   | 19 |
| Thomas Hadley, 33 Concord Avenue.....        | 19 |
| Reginald M. Hull, 48 Concord Avenue.....     | 19 |
| Blank .....                                  | 0  |
| WARD 10                                      |    |
| L. J. Johnson, 90 Raymond Street.....        | 10 |
| E. L. Howlett, 4 Arlington Street.....       | 10 |
| H. D. Howie, 59 Sacramento Street.....       | 9  |
| Blank .....                                  | 27 |
| WARD 11                                      |    |
| John M. Dow, 50 Pemberton Street.....        | 4  |
| Walter Sewell, 6 Porter Road.....            | 4  |
| Richard H. Thode, 33 Malden Street.....      | 4  |
| Wayne K. Little, 18 Trowbridge Street.....   | 1  |
| Blank .....                                  | 29 |

## PROGRESSIVE WARD COMMITTEE

## WARD 1

|             |   |
|-------------|---|
| Blank ..... | 0 |
|-------------|---|

## WARD 2

|  |   |
|--|---|
| August Pierson, 116 Thorndike Street.....      | 1 |
| Alexander McKinnon, 89 Spring Street.....      | 1 |
| James McClory, 22 Seventh Street.....          | 1 |
| William Preede, 184 Thorndike Street.....      | 1 |
| Anders E. Lindquist, 342 Cambridge Street..... | 1 |
| Samuel Small, 412 Cambridge Street.....        | 1 |
| Blank .....                                    | 0 |

## WARD 3

|             |    |
|-------------|----|
| Blank ..... | 10 |
|-------------|----|

## WARD 4

|  |    |
|--|----|
| John F. Ollis, 117 Harvard Street.....       | 12 |
| Edmund A. Smith, 10 Suffolk Street.....      | 11 |
| Frank A. McKiernan, 226 Broadway.....        | 11 |
| Thomas Kay, 232 Broadway.....                | 11 |
| Le Baron A. Dolan, 19 Market Street.....     | 11 |
| William E. Sheehan, 153½ Harvard Street..... | 11 |
| Sherman J. Lee, 8 Worcester Street.....      | 11 |
| Lester E. Hayman, 36 Market Street.....      | 11 |
| William F. Dustin, 14 Union Street.....      | 11 |
| Blank .....                                  | 8  |

## WARD 5

|   |    |
|---|----|
| Albin M. Richards, 22 Bigelow Street..... | 21 |
| Carroll A. Young, 32 Bigelow Street.....  | 21 |
| Henry W. Hobbs, 21 Bigelow Street.....    | 21 |
| Warren J. Fowler, 281 Harvard Street..... | 21 |
| Frank L. Gookin, 50 Dana Street.....      | 21 |
| James W. Grant, 58 Amory Street.....      | 21 |
| Alexander M. Grant, 56 Amory Street.....  | 21 |
| Irving F. Hobbs, 21 Bigelow Street.....   | 21 |
| Edwin D. Stickney, 3 Clinton Street.....  | 21 |
| Rupert D. Worcester, 54 Lee Street.....   | 20 |
| Blank .....                               | 11 |

## WARD 6

|   |    |
|---|----|
| Joseph E. Wall, 23 Decatur Street.....      | 22 |
| George A. Goodwin, 36 Glenwood Avenue.....  | 22 |
| Joseph S. Robinson, 6 Village Street.....   | 22 |
| John M. Murray, 798 Main Street.....        | 22 |
| John J. Griesbach, 262 Pearl Street.....    | 22 |
| Frederick O. Lyon, 109 Henry Street.....    | 22 |
| George F. McCaffrey, 590 Putnam Avenue..... | 22 |
| Herbert N. Hall, 216 Erie Street.....       | 22 |
| James B. Harris, 20 Glenwood Avenue.....    | 22 |
| Melvin L. Jones, 518 Putnam Avenue.....     | 22 |
| Blank .....                                 | 20 |

## PROGRESSIVE WARD COMMITTEE—Concluded

## WARD 7

|   |     |
|---|-----|
| Charles H. Vaughan, 16 Cottage Street.....  | 4   |
| Hugh McGuinness, 114½ Kinnaird Street.....  | 5   |
| Robert Y. Meaching, 114 Western Avenue..... | 1   |
| Benj. Porter .....                          | 4   |
| Thos. McCleary .....                        | 1   |
| Harold Carew, 25 Pearl Street.....          | 4   |
| George Scott, 742 Massachusetts Avenue..... | 4   |
| Geo. R. McCaukery, 262 Putnam Avenue.....   | 3   |
| R. H. McCleary, 114 Western Avenue.....     | 3   |
| Edna Spencer, 9 Pleasant Street.....        | 3   |
| Sam Leitch, 11 Harvard Street.....          | 1   |
| Robert Nillsa, Western Avenue.....          | 1   |
| Blank .....                                 | 246 |

## WARD 8

|   |     |
|---|-----|
| Wayne K. Little, 18 Trowbridge Street.....        | 17  |
| Charles F. Randall, 32 Irving Street.....         | 17  |
| Leonard F. Williams, 61 Dana Street.....          | 17  |
| Hugh G. Anderson, 89 Trowbridge Street.....       | 17  |
| William D. Phelps, 1172 Massachusetts Avenue..... | 1   |
| Blank .....                                       | 111 |

## WARD 9

|  |    |
|--|----|
| Frank H. Thomas, 3 Langdon Square.....     | 19 |
| Francis H. Bigelow, 4 Channing Street..... | 19 |
| Russell D. Crane, 162 Lakeview Avenue..... | 18 |
| Frank B. Clark, 14 Wendell Street.....     | 18 |
| Howard C. Forbes, 33 Reservoir Street..... | 19 |
| Reginald Mott Hull, 48 Concord Avenue..... | 19 |
| Thomas Hadley, 33 Concord Avenue.....      | 19 |
| Leo M. Rohde, 249 Huron Avenue.....        | 19 |
| James S. Kelley, 44 Langdon Street.....    | 19 |
| Philip M. Clark, 592 Huron Avenue.....     | 19 |
| Blank .....                                | 2  |

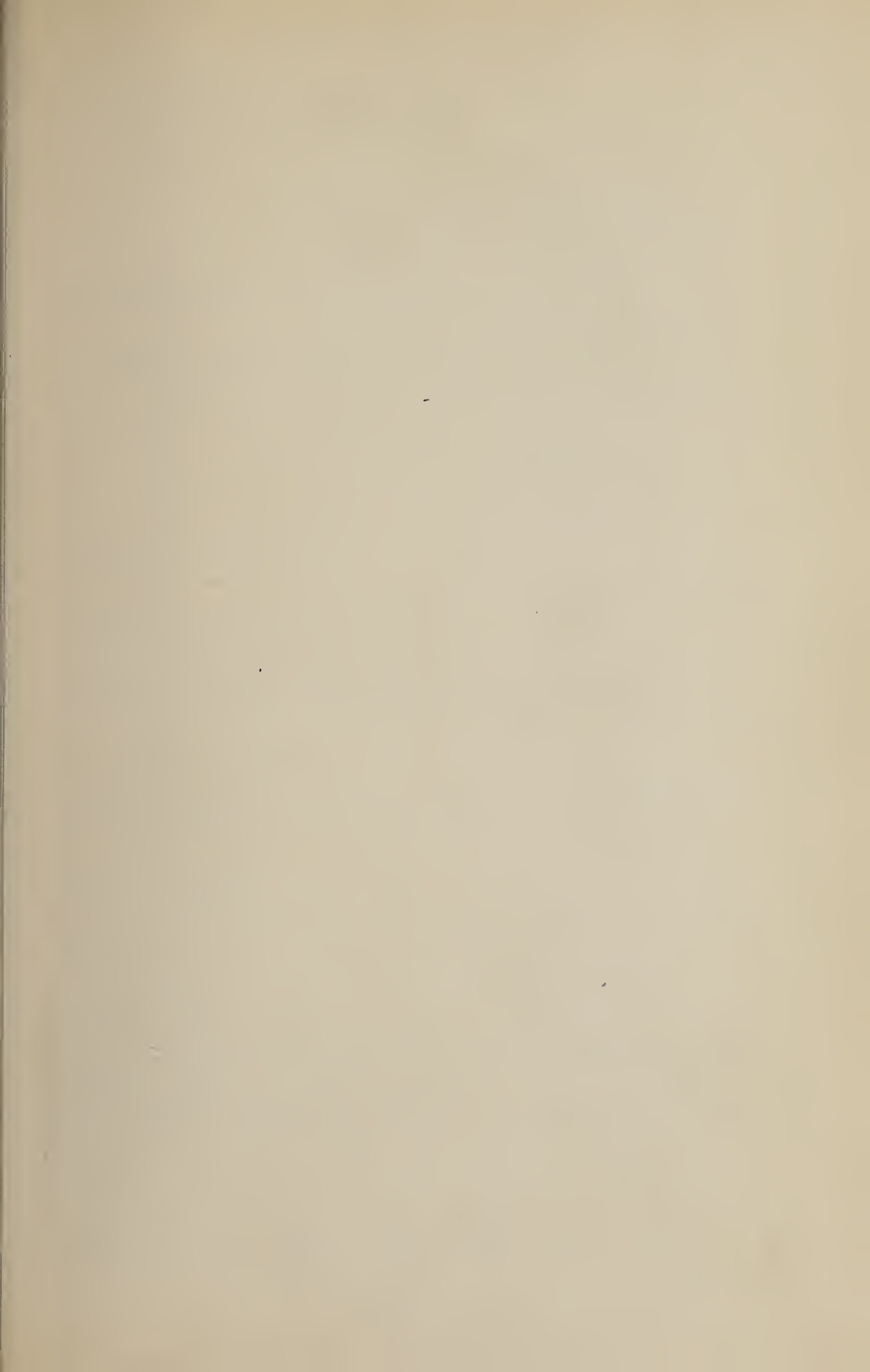
## WARD 10

|   |    |
|---|----|
| Carl T. Banks, 33 Roseland Street.....          | 17 |
| Eugene B. Price, 30 Hubbard Avenue.....         | 17 |
| Robert H. Shields, 149 Richdale Avenue.....     | 18 |
| Henry D. Howie, 59 Sacramento Street.....       | 18 |
| Russell A. Wood, 1691 Massachusetts Avenue..... | 17 |
| Zotique A. Patnaude, 15 Upland Road.....        | 16 |
| Alton H. Hathaway, 19 Huron Avenue.....         | 19 |
| H. C. Whiting, 27 Agassiz Street.....           | 10 |
| C. L. Howlett, 4 Arlington Street.....          | 10 |
| J. R. Nichols, 35 Avon Hill Street .....        | 9  |
| Blank .....                                     | 69 |

## WARD 11

|  |    |
|--|----|
| Thomas E. Baker, 158 Elm Street.....       | 4  |
| Wm. F. Beaman, 88 Pemberton Street.....    | 5  |
| Magda Carstein, 45 Cogswell Avenue.....    | 5  |
| Azarie Z. Contu, 77 Yorktown Street.....   | 5  |
| John M. Dow, 50 Pemberton Street.....      | 5  |
| Geo. R. Henderson, 10 Day Street.....      | 6  |
| Walter Sewell, 6 Porter Road.....          | 5  |
| James G. Shaw, 5 Dover Street.....         | 5  |
| Richard H. Thode, 33 Walden Street.....    | 5  |
| James A. S. Whaley, 22 Jackson Street..... | 5  |
| Eugene B. Price, 30 Hubbard Avenue.....    | 1  |
| Blank .....                                | 89 |





| WARD     | PREC.  | Whole number of ballots cast | GOVERNOR                                     |  |  |  |   |  |  |       | LIEUTENANT-GOVERNOR                  |   |  |  |   |  |       |                                       | SECRETARY OF STATE                       |  |  |                                |                               |       |
|----------|--------|------------------------------|--|--|--|--|---|--|--|-------|--------------------------------------|---|--|--|---|--|-------|---------------------------------------|--|--|--|--------------------------------|-------------------------------|-------|
|          |        |                              | Charles Sumner Bird of Walpole, Progressive. | Alfred H. Evans of Northampton, Prohibition. | Eugene N. Foss of Boston, Independent. | Augustus P. Gardner of Hamilton, Republican. | Arthur E. Reimer of Boston, Soc. Labor. | David T. Walsh of Fitchburg, Democrat. | George H. Wrenn of Springfield, Socialist. | Blank | Edward P. Barry of Boston, Democrat. | Daniel Cosgrove of Lowell, Progressive. | August H. Goetting of Springfield, Republican. | Albert J. Orem of Sharon, Prohibition. | Peter O'Rourke of Medford, Socialist Labor. | George E. Roewer of Boston, Socialist. | Blank | Frank J. Donahue of Boston, Democrat. | William S. Kinney of Boston, Republican. | John A. Nicholls of Boston, Prohibition. | Fred E. Oelcher of Peabody, Socialist Labor. | Ellis M. Roberts, Progressive. | Russell A. Wood, Progressive. | Blank |
| 1.....   | 1..... | 285                          | 25   | 1  | 2                                      | 10   | 1                                       | 246                                    | 0  | 0     | 239                                  | 21                                      | 13   | 0                                      | 4   | 0                                      | 8     | 243                                   | 11                                       | 2  | 1  | 6                              | 15                            | 7     |
| 1.....   | 2..... | 305                          | 33   | 1  | 1                                      | 21   | 1                                       | 239                                    | 5  | 4     | 239                                  | 18                                      | 29   | 2                                      | 3   | 4                                      | 10    | 236                                   | 26                                       | 1  | 1  | 5                              | 21                            | 15    |
| Totals.. |        | 590                          | 58   | 2  | 3                                      | 31   | 2                                       | 485                                    | 5  | 4     | 478                                  | 39                                      | 42   | 2                                      | 7   | 4                                      | 18    | 479                                   | 37                                       | 3  | 2  | 11                             | 36                            | 22    |
| 2.....   | 1..... | 343                          | 28   | 0  | 5                                      | 9  | 0                                       | 295                                    | 4  | 2     | 299                                  | 23                                      | 14   | 0                                      | 1   | 1                                      | 5     | 300                                   | 9  | 4  | 0  | 5                              | 18                            | 7     |
| 2.....   | 2..... | 495                          | 24   | 0  | 5                                      | 13   | 1                                       | 251                                    | 0  | 1     | 246                                  | 17                                      | 23   | 0                                      | 0   | 1                                      | 8     | 248                                   | 23                                       | 1  | 0  | 1                              | 14                            | 8     |
| Totals.. |        | 638                          | 52   | 0  | 10                                     | 22   | 1                                       | 546                                    | 4  | 3     | 545                                  | 40                                      | 37   | 0                                      | 1   | 2                                      | 13    | 548                                   | 32                                       | 5  | 0  | 6                              | 32                            | 15    |
| 3.....   | 1..... | 274                          | 21   | 1  | 3                                      | 3  | 1                                       | 239                                    | 4  | 2     | 225                                  | 17                                      | 7  | 1                                      | 2   | 6                                      | 16    | 229                                   | 5  | 1  | 2  | 4                              | 19                            | 14    |
| 3.....   | 2..... | 227                          | 22   | 0  | 2                                      | 6  | 0                                       | 188                                    | 6  | 3     | 185                                  | 20                                      | 6  | 3                                      | 0   | 6                                      | 7     | 185                                   | 4  | 0  | 1  | 6                              | 17                            | 14    |
| 3.....   | 3..... | 321                          | 38   | 0  | 6                                      | 24   | 0                                       | 245                                    | 4  | 4     | 256                                  | 31                                      | 24   | 1                                      | 0   | 3                                      | 6     | 256                                   | 23                                       | 4  | 1  | 2                              | 25                            | 10    |
| 3.....   | 4..... | 291                          | 30   | 4  | 5                                      | 18   | 0                                       | 222                                    | 5  | 7     | 224                                  | 30                                      | 25   | 3                                      | 2   | 0                                      | 7     | 226                                   | 24                                       | 0  | 0  | 4                              | 27                            | 10    |
| Totals.. |        | 1,113                        | 111  | 5  | 16                                     | 51   | 1                                       | 894                                    | 19   | 16    | 890                                  | 98                                      | 62   | 8                                      | 4   | 15                                     | 36    | 896                                   | 56                                       | 5  | 4  | 16                             | 88                            | 48    |
| 4.....   | 1..... | 189                          | 22   | 2  | 5                                      | 25   | 1                                       | 131                                    | 1  | 2     | 136                                  | 15                                      | 31   | 0                                      | 2   | 0                                      | 7     | 130                                   | 26                                       | 2  | 3  | 3                              | 15                            | 10    |
| 4.....   | 2..... | 277                          | 77   | 1  | 7                                      | 32   | 3                                       | 155                                    | 0  | 2     | 160                                  | 57                                      | 48   | 2                                      | 2   | 2                                      | 6     | 150                                   | 44                                       | 1  | 0  | 3                              | 71                            | 8     |
| 4.....   | 3..... | 284                          | 79   | 1  | 5                                      | 45   | 1                                       | 138                                    | 9  | 6     | 148                                  | 62                                      | 54   | 1                                      | 0   | 9                                      | 10    | 139                                   | 49                                       | 4  | 1  | 8                              | 66                            | 17    |
| 4.....   | 4..... | 302                          | 89   | 0  | 4                                      | 56   | 0                                       | 146                                    | 2  | 5     | 151                                  | 73                                      | 67   | 0                                      | 1   | 2                                      | 8     | 146                                   | 65                                       | 1  | 0  | 2                              | 77                            | 11    |
| Totals.. |        | 1,052                        | 267  | 4  | 21                                     | 158  | 5                                       | 570                                    | 12   | 15    | 593                                  | 207                                     | 200  | 3                                      | 5   | 13                                     | 31    | 565                                   | 184                                      | 8  | 4  | 16                             | 229                           | 46    |
| 5.....   | 1..... | 334                          | 49   | 1  | 10                                     | 32   | 1                                       | 235                                    | 5  | 1     | 234                                  | 43                                      | 43   | 0                                      | 1   | 4                                      | 9     | 233                                   | 32                                       | 1  | 0  | 4                              | 49                            | 15    |
| 5.....   | 2..... | 555                          | 61   | 0  | 11                                     | 52   | 0                                       | 227                                    | 1  | 3     | 216                                  | 56                                      | 63   | 3                                      | 2   | 2                                      | 14    | 221                                   | 57                                       | 3  | 0  | 2                              | 57                            | 15    |
| 5.....   | 3..... | 438                          | 104  | 1  | 23                                     | 149  | 0                                       | 156                                    | 4  | 1     | 156                                  | 87                                      | 184  | 6                                      | 0   | 0                                      | 5     | 161                                   | 175                                      | 3  | 0  | 5                              | 85                            | 9     |
| 5.....   | 4..... | 352                          | 110  | 2  | 27                                     | 144  | 1                                       | 65                                     | 2  | 1     | 72                                   | 86                                      | 185  | 3                                      | 1   | 2                                      | 3     | 70                                    | 172                                      | 4  | 1  | 2                              | 97                            | 6     |
| Totals.. |        | 1,479                        | 324  | 4  | 71                                     | 377  | 2                                       | 683                                    | 12   | 6     | 677                                  | 272                                     | 475  | 12                                     | 4   | 8                                      | 31    | 685                                   | 436                                      | 11                                       | 1  | 13                             | 288                           | 45    |

|                |        |       |    |     |       |    |       |     |     |       |       |       |    |    |     |       |       |     |    |     |       |     |
|----------------|--------|-------|----|-----|-------|----|-------|-----|-----|-------|-------|-------|----|----|-----|-------|-------|-----|----|-----|-------|-----|
| 6.....         | 270    | 74    | 0  | 5   | 60    | 1  | 119   | 7   | 4   | 129   | 59    | 63    | 3  | 2  | 7   | 126   | 65    | 0   | 3  | 1   | 65    | 10  |
| 6.....         | 334    | 117   | 2  | 10  | 87    | 1  | 114   | 3   | 0   | 115   | 97    | 103   | 2  | 1  | 6   | 109   | 104   | 4   | 1  | 5   | 100   | 11  |
| 6.....         | 395    | 76    | 3  | 15  | 89    | 1  | 203   | 2   | 6   | 209   | 61    | 104   | 6  | 0  | 3   | 203   | 86    | 9   | 0  | 4   | 70    | 23  |
| 6.....         | 434    | 134   | 1  | 15  | 159   | 1  | 122   | 0   | 2   | 113   | 112   | 191   | 3  | 2  | 4   | 118   | 172   | 3   | 1  | 6   | 121   | 13  |
| Totals..       | 1,433  | 401   | 6  | 45  | 395   | 4  | 558   | 12  | 12  | 566   | 329   | 461   | 14 | 5  | 20  | 556   | 427   | 16  | 5  | 16  | 356   | 57  |
| 7.....         | 374    | 103   | 5  | 7   | 79    | 2  | 172   | 4   | 2   | 169   | 90    | 95    | 3  | 2  | 3   | 175   | 93    | 5   | 2  | 3   | 83    | 13  |
| 7.....         | 387    | 72    | 2  | 4   | 80    | 0  | 215   | 4   | 10  | 214   | 61    | 83    | 2  | 1  | 2   | 212   | 79    | 2   | 0  | 4   | 66    | 24  |
| 7.....         | 409    | 127   | 7  | 22  | 149   | 1  | 97    | 3   | 3   | 102   | 108   | 181   | 7  | 1  | 3   | 104   | 173   | 11  | 3  | 4   | 102   | 12  |
| 7.....         | 361    | 111   | 6  | 11  | 84    | 3  | 140   | 5   | 1   | 151   | 92    | 96    | 7  | 1  | 6   | 147   | 85    | 9   | 0  | 6   | 95    | 19  |
| Totals..       | 1,581  | 413   | 20 | 44  | 392   | 6  | 624   | 16  | 16  | 636   | 351   | 455   | 19 | 5  | 14  | 638   | 430   | 27  | 5  | 17  | 346   | 68  |
| 8.....         | 396    | 105   | 2  | 14  | 98    | 0  | 168   | 6   | 3   | 169   | 90    | 128   | 1  | 0  | 5   | 175   | 110   | 1   | 0  | 5   | 99    | 6   |
| 8.....         | 420    | 119   | 0  | 33  | 147   | 0  | 118   | 1   | 2   | 123   | 142   | 143   | 0  | 0  | 1   | 124   | 169   | 5   | 0  | 1   | 106   | 15  |
| 8.....         | 473    | 62    | 0  | 2   | 26    | 1  | 372   | 1   | 9   | 371   | 45    | 40    | 0  | 1  | 1   | 354   | 37    | 1   | 2  | 1   | 50    | 28  |
| Totals..       | 1,289  | 286   | 2  | 49  | 271   | 1  | 658   | 8   | 14  | 663   | 277   | 311   | 1  | 1  | 7   | 653   | 316   | 7   | 2  | 7   | 255   | 49  |
| 9.....         | 444    | 133   | 1  | 23  | 163   | 0  | 119   | 5   | 0   | 122   | 111   | 201   | 2  | 0  | 4   | 133   | 183   | 8   | 0  | 1   | 113   | 6   |
| 9.....         | 466    | 76    | 0  | 25  | 148   | 0  | 108   | 2   | 6   | 208   | 71    | 170   | 1  | 0  | 3   | 215   | 159   | 1   | 0  | 3   | 75    | 13  |
| 9.....         | 544    | 120   | 0  | 23  | 113   | 1  | 276   | 6   | 5   | 228   | 143   | 154   | 0  | 0  | 6   | 286   | 145   | 3   | 0  | 7   | 82    | 21  |
| Totals..       | 1,454  | 329   | 1  | 71  | 425   | 1  | 603   | 13  | 11  | 558   | 325   | 525   | 3  | 0  | 13  | 634   | 487   | 12  | 0  | 11  | 270   | 40  |
| 10.....        | 437    | 123   | 0  | 19  | 196   | 0  | 99    | 0   | 0   | 91    | 90    | 246   | 1  | 0  | 1   | 107   | 215   | 4   | 1  | 2   | 96    | 12  |
| 10.....        | 407    | 122   | 2  | 29  | 157   | 1  | 94    | 0   | 2   | 90    | 97    | 204   | 2  | 2  | 1   | 95    | 193   | 3   | 1  | 1   | 98    | 16  |
| 10.....        | 367    | 47    | 1  | 2   | 36    | 1  | 270   | 4   | 6   | 276   | 38    | 40    | 0  | 0  | 5   | 271   | 33    | 0   | 0  | 3   | 45    | 15  |
| Totals..       | 1,211  | 292   | 3  | 50  | 389   | 2  | 463   | 4   | 8   | 457   | 225   | 490   | 3  | 2  | 7   | 473   | 441   | 7   | 2  | 6   | 239   | 43  |
| 11.....        | 517    | 169   | 0  | 23  | 138   | 0  | 175   | 10  | 2   | 166   | 140   | 189   | 2  | 1  | 10  | 170   | 175   | 3   | 0  | 7   | 147   | 15  |
| 11.....        | 543    | 93    | 0  | 5   | 78    | 2  | 358   | 3   | 4   | 353   | 79    | 96    | 0  | 3  | 3   | 357   | 84    | 3   | 2  | 3   | 82    | 12  |
| 11.....        | 383    | 39    | 0  | 7   | 22    | 2  | 302   | 5   | 6   | 306   | 33    | 25    | 0  | 1  | 3   | 298   | 20    | 1   | 2  | 3   | 40    | 19  |
| Totals..       | 1,443  | 301   | 0  | 35  | 238   | 4  | 835   | 18  | 12  | 825   | 252   | 310   | 2  | 5  | 16  | 825   | 279   | 7   | 4  | 13  | 269   | 46  |
| Grand Totals.. | 13,233 | 2,834 | 47 | 415 | 2,749 | 29 | 6,919 | 123 | 117 | 6,888 | 2,415 | 3,368 | 67 | 39 | 119 | 6,952 | 3,125 | 108 | 29 | 132 | 2,408 | 479 |



VOTES CAST FOR STATE OFFICERS

|             |          | TREASURER                                 |  |  |   |   |  | AUDITOR. |  |  |   |   |  | ATTORNEY-GENERAL.                     |       |   |  |                                      |   |  |   |       |
|-------------|----------|---|--|--|---|---|--|----------|--|--|---|---|--|---------------------------------------|-------|---|--|--------------------------------------|---|--|---|-------|
| WARD        | PRECINCT | Charles L. Burrill of Boston, Republican. | Charles E. Fenner of Worcester, Socialist. | Thomas A. Frissell of Aresdale, Prohibition. | Warren R. Keith of Brockton, Progressive. | Frederick W. Mansfield of Boston, Democratic. | Dennis McGoff of New Bedford, Socialist Labor. | Blank    | Herbert T. Brown of Greenfield, Prohibition. | David Craig of Milford, Socialist Labor. | Octave A. La Riviere, Springfield, Progressive. | Samuel P. Levenberg of Boston, Socialist. | Frank H. Pope of Leominster, Democratic. | John E. White of Tisbury, Republican. | Blank | Thomas J. Boynton of Everett, Democratic. | Freeman T. Crommett of Chelsea, Prohibition. | John McCarty of Abington, Socialist. | H. Eustis Newton of Everett, Progressive. | Ingvar Paulsen of Boston, Socialist Labor. | James M. Swift of Fall River, Republican. | Blank |
| 1.....      | 1.....   | 14  | 1  | 0  | 20  | 232   | 4  | 14       | 1  | 2  | 16  | 3   | 230                                      | 13                                    | 20    | 235                                       | 2  | 4                                    | 16  | 3  | 10  | 15    |
| 1.....      | 2.....   | 30  | 4  | 2  | 25  | 218   | 1  | 25       | 2  | 1  | 18  | 6   | 227                                      | 28                                    | 23    | 228                                       | 2  | 4                                    | 19  | 2  | 28  | 22    |
| Totals..... |          | 44  | 5  | 2  | 45  | 450   | 5  | 39       | 3  | 3  | 34  | 9   | 457                                      | 41                                    | 43    | 463                                       | 4  | 8                                    | 35  | 5  | 38  | 37    |
| 2.....      | 1.....   | 15  | 4  | 0  | 18  | 290   | 1  | 15       | 2  | 0  | 12  | 9   | 282                                      | 13                                    | 25    | 287                                       | 2  | 3                                    | 20  | 2  | 14  | 15    |
| 2.....      | 2.....   | 25  | 0  | 0  | 12  | 243   | 0  | 15       | 0  | 1  | 13  | 2   | 245                                      | 18                                    | 16    | 241                                       | 0  | 4                                    | 8   | 0  | 21  | 21    |
| Totals..... |          | 40  | 4  | 0  | 30  | 533   | 1  | 30       | 2  | 1  | 25  | 11  | 527                                      | 31                                    | 41    | 528                                       | 2  | 7                                    | 28  | 2  | 35  | 36    |
| 3.....      | 1.....   | 6   | 4  | 1  | 16  | 223   | 3  | 21       | 1  | 4  | 17  | 4   | 218                                      | 5                                     | 25    | 218                                       | 1  | 10                                   | 13  | 2  | 7   | 23    |
| 3.....      | 2.....   | 7   | 6  | 0  | 16  | 181   | 2  | 15       | 3  | 1  | 13  | 8   | 175                                      | 5                                     | 22    | 180                                       | 1  | 8                                    | 16  | 0  | 3   | 19    |
| 3.....      | 3.....   | 27  | 4  | 2  | 25  | 246   | 0  | 17       | 2  | 0  | 25  | 3   | 240                                      | 27                                    | 24    | 249                                       | 2  | 4                                    | 21  | 2  | 25  | 18    |
| 3.....      | 4.....   | 24  | 9  | 0  | 18  | 218   | 0  | 22       | 2  | 2  | 19  | 5   | 209                                      | 30                                    | 24    | 220                                       | 0  | 8                                    | 21  | 0  | 27  | 15    |
| Totals..... |          | 64  | 23   | 3  | 75  | 868   | 5  | 75       | 8  | 7  | 74  | 20  | 842                                      | 67                                    | 95    | 867                                       | 4  | 30                                   | 71  | 4  | 62  | 75    |
| 4.....      | 1.....   | 30  | 1  | 1  | 14  | 133   | 2  | 8        | 0  | 2  | 12  | 1   | 124                                      | 30                                    | 20    | 126                                       | 2  | 1                                    | 13  | 1  | 28  | 18    |
| 4.....      | 2.....   | 55  | 4  | 1  | 55  | 156   | 1  | 5        | 3  | 0  | 55  | 4   | 154                                      | 52                                    | 9     | 152                                       | 1  | 4                                    | 53  | 3  | 57  | 7     |
| 4.....      | 3.....   | 59  | 9  | 2  | 54  | 139   | 2  | 19       | 4  | 1  | 54  | 10  | 131                                      | 62                                    | 22    | 140                                       | 2  | 10                                   | 50  | 0  | 64  | 18    |
| 4.....      | 4.....   | 79  | 3  | 1  | 61  | 140   | 2  | 16       | 1  | 1  | 53  | 2   | 139                                      | 83                                    | 23    | 141                                       | 0  | 3                                    | 59  | 1  | 86  | 12    |
| Totals..... |          | 223                                       | 17   | 5  | 184                                       | 568   | 7  | 48       | 8  | 4  | 174   | 17  | 548                                      | 227                                   | 74    | 559                                       | 5  | 18                                   | 175                                       | 5  | 235                                       | 55    |
| 5.....      | 1.....   | 42  | 5  | 0  | 35  | 232   | 0  | 20       | 1  | 0  | 30  | 4   | 224                                      | 44                                    | 31    | 232                                       | 0  | 4                                    | 24  | 0  | 51  | 23    |
| 5.....      | 2.....   | 67  | 4  | 2  | 45  | 209   | 1  | 27       | 2  | 0  | 39  | 5   | 209                                      | 67                                    | 33    | 213                                       | 1  | 4                                    | 43  | 0  | 69  | 25    |
| 5.....      | 3.....   | 190                                       | 4  | 3  | 78  | 148   | 0  | 15       | 5  | 1  | 72  | 5   | 152                                      | 184                                   | 19    | 151                                       | 3  | 4                                    | 71  | 0  | 195                                       | 14    |
| 5.....      | 4.....   | 185                                       | 3  | 3  | 81  | 70  | 1  | 9        | 3  | 1  | 75  | 3   | 69                                       | 193                                   | 8     | 68  | 4  | 2                                    | 77  | 1  | 192                                       | 8     |
| Totals..... |          | 484                                       | 16   | 8  | 239                                       | 659   | 2  | 71       | 11   | 2  | 216   | 17  | 654                                      | 488                                   | 91    | 664                                       | 8  | 14                                   | 215                                       | 1  | 507                                       | 70    |

|                   |        |       |     |    |       |       |    |     |     |    |       |     |       |       |     |       |    |     |       |    |       |     |
|-------------------|--------|-------|-----|----|-------|-------|----|-----|-----|----|-------|-----|-------|-------|-----|-------|----|-----|-------|----|-------|-----|
| 6.....            | 1..... | 77    | 6   | 1  | 47    | 120   | 2  | 17  | 6   | 3  | 45    | 9   | 116   | 70    | 21  | 120   | 0  | 8   | 50    | 1  | 75    | 16  |
| 6.....            | 2..... | 113   | 7   | 3  | 83    | 109   | 1  | 18  | 3   | 3  | 75    | 7   | 98    | 117   | 31  | 104   | 2  | 6   | 77    | 2  | 122   | 21  |
| 6.....            | 3..... | 110   | 2   | 7  | 49    | 201   | 0  | 26  | 6   | 1  | 50    | 3   | 191   | 109   | 35  | 197   | 4  | 7   | 47    | 0  | 114   | 26  |
| 6.....            | 4..... | 201   | 4   | 8  | 88    | 114   | 2  | 17  | 7   | 3  | 85    | 4   | 112   | 201   | 22  | 107   | 6  | 5   | 89    | 1  | 206   | 20  |
| Totals.....       |        | 501   | 19  | 19 | 267   | 544   | 5  | 78  | 22  | 10 | 255   | 23  | 517   | 497   | 109 | 528   | 12 | 26  | 263   | 4  | 517   | 83  |
| 7.....            | 1..... | 106   | 4   | 4  | 70    | 171   | 1  | 18  | 6   | 2  | 67    | 5   | 166   | 110   | 18  | 165   | 2  | 3   | 68    | 2  | 117   | 17  |
| 7.....            | 2..... | 96    | 4   | 1  | 50    | 207   | 1  | 28  | 1   | 3  | 47    | 4   | 206   | 90    | 36  | 212   | 4  | 4   | 47    | 2  | 92    | 26  |
| 7.....            | 3..... | 193   | 3   | 12 | 87    | 95    | 2  | 17  | 11  | 2  | 82    | 4   | 99    | 195   | 16  | 103   | 9  | 4   | 88    | 3  | 187   | 15  |
| 7.....            | 4..... | 108   | 8   | 6  | 79    | 138   | 1  | 21  | 9   | 6  | 69    | 4   | 137   | 108   | 28  | 137   | 9  | 8   | 67    | 2  | 116   | 22  |
| Totals.....       |        | 503   | 19  | 23 | 286   | 611   | 5  | 84  | 27  | 13 | 265   | 17  | 608   | 503   | 98  | 617   | 24 | 19  | 270   | 9  | 512   | 80  |
| 8.....            | 1..... | 131   | 5   | 0  | 85    | 165   | 1  | 9   | 1   | 2  | 73    | 6   | 167   | 133   | 14  | 160   | 2  | 8   | 74    | 0  | 95    | 57  |
| 8.....            | 2..... | 191   | 1   | 2  | 81    | 129   | 2  | 14  | 2   | 0  | 73    | 1   | 125   | 201   | 18  | 124   | 0  | 3   | 79    | 0  | 197   | 17  |
| 8.....            | 3..... | 54    | 5   | 0  | 31    | 346   | 0  | 37  | 5   | 2  | 31    | 6   | 340   | 44    | 45  | 348   | 4  | 6   | 31    | 1  | 47    | 36  |
| Totals.....       |        | 376   | 11  | 2  | 197   | 640   | 3  | 60  | 8   | 4  | 177   | 13  | 632   | 378   | 77  | 632   | 6  | 17  | 184   | 1  | 339   | 110 |
| 9.....            | 1..... | 215   | 4   | 1  | 95    | 120   | 0  | 9   | 3   | 0  | 94    | 3   | 124   | 212   | 8   | 119   | 2  | 4   | 94    | 0  | 219   | 6   |
| 9.....            | 2..... | 175   | 3   | 4  | 58    | 208   | 0  | 18  | 1   | 2  | 51    | 3   | 217   | 174   | 18  | 211   | 2  | 3   | 66    | 0  | 168   | 16  |
| 9.....            | 3..... | 163   | 5   | 1  | 83    | 275   | 0  | 17  | 6   | 0  | 72    | 9   | 274   | 156   | 27  | 273   | 4  | 9   | 79    | 0  | 157   | 22  |
| Totals.....       |        | 553   | 12  | 6  | 236   | 603   | 0  | 44  | 10  | 2  | 217   | 15  | 615   | 542   | 53  | 603   | 8  | 16  | 239   | 0  | 544   | 44  |
| 10.....           | 1..... | 240   | 2   | 3  | 84    | 95    | 0  | 13  | 2   | 1  | 70    | 5   | 104   | 238   | 17  | 101   | 2  | 3   | 76    | 0  | 243   | 12  |
| 10.....           | 2..... | 204   | 2   | 2  | 89    | 92    | 2  | 16  | 5   | 2  | 43    | 32  | 99    | 210   | 16  | 97    | 3  | 1   | 79    | 2  | 213   | 12  |
| 10.....           | 3..... | 49    | 4   | 1  | 33    | 261   | 0  | 19  | 3   | 0  | 36    | 5   | 251   | 41    | 31  | 267   | 1  | 4   | 29    | 3  | 44    | 19  |
| Totals.....       |        | 493   | 8   | 6  | 206   | 448   | 2  | 48  | 10  | 3  | 149   | 42  | 454   | 489   | 64  | 465   | 6  | 8   | 184   | 5  | 500   | 43  |
| 11.....           | 1..... | 198   | 8   | 0  | 123   | 165   | 0  | 23  | 2   | 2  | 113   | 10  | 162   | 199   | 29  | 167   | 2  | 10  | 115   | 0  | 200   | 23  |
| 11.....           | 2..... | 102   | 4   | 1  | 60    | 357   | 2  | 17  | 3   | 6  | 64    | 6   | 344   | 102   | 18  | 348   | 1  | 4   | 59    | 3  | 108   | 20  |
| 11.....           | 3..... | 27    | 3   | 2  | 31    | 290   | 2  | 28  | 1   | 3  | 34    | 3   | 285   | 26    | 31  | 293   | 3  | 5   | 27    | 1  | 24    | 30  |
| Totals.....       |        | 327   | 15  | 3  | 214   | 812   | 4  | 68  | 6   | 11 | 211   | 19  | 791   | 327   | 78  | 808   | 6  | 19  | 201   | 4  | 332   | 73  |
| Grand Totals..... |        | 3,608 | 149 | 77 | 1,979 | 6,736 | 39 | 645 | 115 | 60 | 1,797 | 203 | 6,645 | 3,590 | 823 | 6,734 | 85 | 182 | 1,865 | 40 | 3,621 | 706 |

| WARD   | PRECINCT                                   | COUNCILLOR                                |  |       |   | COUNCILLOR                                 |  |       |  | SENATOR                                   |   |       |  | SENATOR                                 |  |   |       | SENATOR                                  |  |   |       |
|--------|--|---|--|-------|---|--|--|-------|--|---|---|-------|--|---|--|---|-------|--|--|---|-------|
|        |  | Third District                            |  |       |   | 4th District.                              |  |       |  | Second Suffolk District                   |   |       |  | Third Suffolk Dist.                     |  |   |       | Second Middlesex District                |  |   |       |
| 1..... | Timothy J. Buckley, of Boston, Democratic. | Albion C. Russell, of Boston, Republican. | Frank W. Webb, of Boston, Progressive. | Blank | John Herbert, of Somerville, Progressive. | Alexander McGregor, of Malden, Republican. | Benjamin F. Sullivan, of Boston, Democratic. | Blank | James H. Brennan, of Boston, Democratic. | Arthur W. Forbush, of Boston, Republican. | Benjamin F. Thompson, of Boston, Progressive. | Blank | Frank P. Dyer, of Boston, Republican-Citizens. | John H. Farley, of Boston, Progressive. | Bernard E. Grant, of Boston, Republican. | Philip J. McGonagle, of Boston, Democratic. | Blank | James W. Bean, of Cambridge, Republican. | John P. Brennan, of Cambridge, Democratic. | George R. Henderson, of Cambridge, Progressive. | Blank |
|        | 242  | 12  | 14                                     | 17    |   |  |  |       | 236                                      | 9   | 23  | 17    |  |   |  |   |       |  |  |   |       |
|        | 232  | 27  | 23                                     | 23    |   |  |  |       | 229                                      | 25  | 29  | 22    |  |   |  |   |       |  |  |   |       |
|        | Totals.....                                | 474                                       | 37                                     | 40    |   |  |  |       | 465                                      | 34  | 52  | 39    |  |   |  |   |       |  |  |   |       |
| 2..... | 288  | 15  | 26                                     | 14    |   |  |  |       | 287                                      | 14  | 28  | 14    |  |   |  |   |       |  |  |   |       |
|        | 245  | 24  | 11                                     | 15    |   |  |  |       | 238                                      | 23  | 13  | 21    |  |   |  |   |       |  |  |   |       |
|        | Totals.....                                | 533                                       | 37                                     | 29    |   |  |  |       | 525                                      | 37  | 41  | 35    |  |   |  |   |       |  |  |   |       |
| 3..... | 229  | 6   | 19                                     | 20    |   |  |  |       | 216                                      | 10  | 22  | 26    |  |   |  |   |       |  |  |   |       |
|        | 178  | 5   | 20                                     | 24    |   |  |  |       | 186                                      | 4   | 20  | 17    |  |   |  |   |       |  |  |   |       |
|        | 249  | 27  | 23                                     | 22    |   |  |  |       | 245                                      | 26  | 26  | 24    |  |   |  |   |       |  |  |   |       |
|        | 219  | 26  | 25                                     | 21    |   |  |  |       | 215                                      | 24  | 23  | 29    |  |   |  |   |       |  |  |   |       |
| 4..... | 875  | 64  | 87                                     | 87    |   |  |  |       | 862                                      | 64  | 91  | 96    |  |   |  |   |       |  |  |   |       |
|        | 132  | 25  | 17                                     | 15    |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 156  | 54  | 58                                     | 9     |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 136  | 65  | 57                                     | 26    |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
| 5..... | 148  | 76  | 59                                     | 19    |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | Totals.....                                | 572                                       | 191                                    | 69    |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 20   |   |  |       |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 33   |   |  |       |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
| 6..... | 218  |   |  |       |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 201  |   |  |       |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 144  |   |  |       |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |
|        | 69   |   |  |       |   |  |  |       |  |   |   |       |  |   |  |   |       |  |  |   |       |



VOTES CAST FOR STATE OFFICERS

[illegible]

# REPRESENTATIVES IN GENERAL COURT

[illegible]

[illegible]



VOTES CAST FOR STATE OFFICERS

| WARD     | COUNTY COMMISSIONER                     |  |  |        | ASSOCIATE COMMISSIONERS                     |  |   |   |   |  |        | DISTRICT ATTORNEY                           |  |   |        | REGISTER OF PROBATE                       |  |             |        |
|----------|---|--|--|--------|---|--|---|---|---|--|--------|---|--|---|--------|---|--|-------------|--------|
|          | Erson B. Barlow, of Lowell, Republican. | John B. McCloskey, of Cambridge, Democrat. | Charles H. McIntire, of Lowell, Progressive. | Blank. | Charles W. Atkins, of Everett, Progressive. | Frederic P. Barnes, of Newton, Republican. | John J. Butler, of Wakefield, Democrat. | George W. Enright, of Lowell, Democrat. | Edwin P. Fitzgerald, of Somerville, Republican. | Albert F. Parker, of Pepperell, Progressive. | Blank. | Philip M. Clark, of Cambridge, Progressive. | William J. Corcoran, of Cambridge, Democrat. | John J. Higgins, of Dorchester, Republican. | Blank. | James T. Barrett, of Cambridge, Democrat. | Wm. E. Rogers, of Wakefield, Republican. | Scattering. | Blank. |
| 1.....   | 20                                      | 237  | 15   | 13     | 18  | 9  | 198                                     | 187                                     | 12  | 19   | 127    | 16  | 216  | 24  | 29     | 215                                       | 33                                       |             | 37     |
| 1.....   | 27                                      | 224  | 22   | 32     | 22  | 18   | 202                                     | 183                                     | 23  | 24   | 138    | 19  | 218  | 45  | 23     | 195                                       | 57                                       |             | 53     |
| Totals.. | 47                                      | 461  | 37   | 45     | 40  | 27   | 400                                     | 370                                     | 35  | 43   | 265    | 35  | 434  | 69  | 52     | 410                                       | 90                                       |             | 90     |
| 2.....   | 10                                      | 283  | 25   | 25     | 19  | 12   | 241                                     | 227                                     | 12  | 18   | 157    | 24  | 244  | 25  | 50     | 261                                       | 45                                       |             | 37     |
| 2.....   | 23                                      | 245  | 11   | 16     | 11  | 20   | 220                                     | 201                                     | 13  | 9  | 116    | 10  | 213  | 36  | 36     | 212                                       | 39                                       |             | 44     |
| Totals.. | 33                                      | 528  | 36   | 41     | 30  | 32   | 461                                     | 428                                     | 25  | 27   | 273    | 34  | 457  | 61  | 86     | 473                                       | 84                                       |             | 81     |
| 3.....   | 9                                       | 218  | 16   | 31     | 18  | 6  | 201                                     | 172                                     | 5   | 12   | 134    | 13  | 206  | 26  | 29     | 216                                       | 25                                       |             | 33     |
| 3.....   | 8                                       | 176  | 21   | 22     | 14  | 2  | 162                                     | 150                                     | 7   | 20   | 99     | 20  | 170  | 18  | 19     | 168                                       | 30                                       |             | 29     |
| 3.....   | 24                                      | 249  | 21   | 27     | 28  | 30   | 225                                     | 197                                     | 21  | 21   | 120    | 23  | 231  | 41  | 26     | 226                                       | 51                                       |             | 44     |
| 3.....   | 27                                      | 208  | 27   | 29     | 21  | 23   | 186                                     | 170                                     | 23  | 23   | 136    | 27  | 200  | 30  | 34     | 205                                       | 42                                       |             | 44     |
| Totals.. | 68                                      | 851  | 85   | 109    | 81  | 61   | 774                                     | 689                                     | 56  | 76   | 489    | 83  | 807  | 115   | 108    | 815                                       | 148                                      |             | 150    |
| 4.....   | 26                                      | 126  | 11   | 26     | 11  | 22   | 119                                     | 109                                     | 18  | 12   | 87     | 14  | 117  | 27  | 31     | 122                                       | 36                                       |             | 31     |
| 4.....   | 52                                      | 154  | 53   | 18     | 53  | 54   | 135                                     | 123                                     | 40  | 57   | 92     | 55  | 137  | 63  | 22     | 139                                       | 102                                      |             | 36     |
| 4.....   | 63                                      | 137  | 55   | 29     | 55  | 61   | 132                                     | 119                                     | 51  | 54   | 96     | 57  | 136  | 63  | 28     | 137                                       | 104                                      | 1           | 42     |
| 4.....   | 77                                      | 137  | 62   | 26     | 63  | 71   | 124                                     | 122                                     | 58  | 63   | 103    | 71  | 129  | 81  | 21     | 133                                       | 128                                      | 4           | 37     |
| Totals.. | 218                                     | 554  | 181  | 99     | 182   | 208  | 510                                     | 473                                     | 167   | 186  | 378    | 197   | 519  | 234   | 102    | 531                                       | 370                                      | 5           | 146    |
| 5.....   | 41                                      | 229  | 33   | 31     | 33  | 41   | 211                                     | 187                                     | 41  | 33   | 122    | 34  | 217  | 55  | 28     | 206                                       | 84                                       |             | 44     |
| 5.....   | 62                                      | 222  | 39   | 32     | 45  | 59   | 192                                     | 181                                     | 48  | 42   | 143    | 50  | 200  | 72  | 33     | 187                                       | 110                                      |             | 58     |
| 5.....   | 183                                     | 139  | 90   | 26     | 81  | 178  | 135                                     | 117                                     | 156   | 84   | 125    | 93  | 134  | 176   | 35     | 122                                       | 272                                      |             | 44     |
| 5.....   | 186                                     | 71   | 86   | 12     | 86  | 179  | 59                                      | 54                                      | 151   | 85   | 90     | 97  | 60   | 180   | 15     | 74  | 251                                      |             | 26     |

|                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 6.....           | 74    | 123   | 51    | 22    | 49    | 71    | 110   | 99    | 65    | 51    | 95    | 52    | 122   | 75    | 21    | 115   | 112   | 43    |
| 6.....           | 107   | 114   | 81    | 32    | 85    | 108   | 94    | 89    | 98    | 76    | 118   | 96    | 113   | 99    | 26    | 105   | 189   | 40    |
| 6.....           | 110   | 189   | 55    | 41    | 53    | 105   | 177   | 157   | 95    | 59    | 144   | 63    | 188   | 104   | 40    | 180   | 161   | 54    |
| 6.....           | 194   | 110   | 96    | 34    | 89    | 199   | 97    | 89    | 172   | 102   | 120   | 101   | 125   | 179   | 29    | 115   | 274   | 45    |
| Totals..         | 485   | 536   | 283   | 129   | 276   | 483   | 478   | 434   | 430   | 288   | 477   | 312   | 548   | 557   | 116   | 515   | 736   | 182   |
| 7.....           | 117   | 162   | 67    | 28    | 65    | 109   | 156   | 142   | 84    | 71    | 121   | 76    | 164   | 105   | 29    | 159   | 182   | 33    |
| 7.....           | 95    | 214   | 49    | 29    | 51    | 90    | 191   | 175   | 75    | 52    | 140   | 58    | 205   | 87    | 37    | 200   | 130   | 57    |
| 7.....           | 189   | 101   | 87    | 32    | 85    | 190   | 96    | 92    | 165   | 86    | 104   | 94    | 106   | 183   | 26    | 103   | 265   | 38    |
| 7.....           | 119   | 137   | 69    | 36    | 71    | 106   | 119   | 104   | 86    | 81    | 155   | 74    | 126   | 117   | 44    | 129   | 176   | 55    |
| Totals..         | 520   | 614   | 272   | 125   | 272   | 495   | 562   | 513   | 410   | 290   | 520   | 302   | 601   | 492   | 136   | 591   | 753   | 183   |
| 8.....           | 125   | 162   | 84    | 25    | 92    | 117   | 146   | 133   | 114   | 97    | 93    | 103   | 158   | 118   | 17    | 150   | 214   | 32    |
| 8.....           | 124   | 124   | 88    | 24    | 89    | 177   | 115   | 103   | 155   | 87    | 114   | 109   | 116   | 173   | 22    | 114   | 270   | 36    |
| 8.....           | 41    | 334   | 39    | 59    | 35    | 42    | 313   | 290   | 40    | 35    | 191   | 38    | 326   | 49    | 60    | 330   | 75    | 68    |
| Totals..         | 350   | 620   | 211   | 108   | 216   | 336   | 574   | 526   | 309   | 219   | 398   | 250   | 600   | 340   | 99    | 594   | 559   | 136   |
| 9.....           | 199   | 119   | 110   | 16    | 106   | 200   | 111   | 99    | 167   | 111   | 94    | 137   | 115   | 179   | 13    | 115   | 295   | 34    |
| 9.....           | 169   | 212   | 62    | 23    | 69    | 158   | 192   | 174   | 133   | 72    | 134   | 78    | 199   | 155   | 34    | 196   | 221   | 49    |
| 9.....           | 161   | 273   | 77    | 33    | 90    | 149   | 244   | 238   | 140   | 84    | 143   | 99    | 263   | 148   | 34    | 245   | 242   | 57    |
| Totals..         | 529   | 604   | 249   | 72    | 265   | 507   | 547   | 511   | 440   | 267   | 371   | 314   | 577   | 482   | 81    | 556   | 758   | 140   |
| 10.....          | 240   | 92    | 84    | 21    | 80    | 224   | 88    | 83    | 202   | 82    | 115   | 100   | 90    | 224   | 23    | 98    | 309   | 28    |
| 10.....          | 215   | 90    | 79    | 23    | 83    | 206   | 81    | 73    | 182   | 84    | 105   | 103   | 88    | 194   | 22    | 92    | 284   | 31    |
| 10.....          | 39    | 263   | 35    | 30    | 28    | 42    | 245   | 217   | 35    | 30    | 137   | 39    | 252   | 40    | 36    | 251   | 75    | 41    |
| Totals..         | 494   | 445   | 198   | 74    | 191   | 472   | 414   | 373   | 419   | 196   | 357   | 242   | 430   | 458   | 81    | 441   | 668   | 100   |
| 11.....          | 191   | 165   | 117   | 44    | 125   | 190   | 149   | 135   | 159   | 127   | 149   | 138   | 151   | 186   | 42    | 166   | 300   | 51    |
| 11.....          | 106   | 336   | 61    | 40    | 75    | 97    | 301   | 291   | 80    | 69    | 173   | 70    | 332   | 110   | 31    | 333   | 156   | 54    |
| 11.....          | 25    | 286   | 30    | 42    | 27    | 29    | 256   | 231   | 23    | 31    | 169   | 36    | 277   | 33    | 37    | 285   | 44    | 54    |
| Totals..         | 322   | 787   | 208   | 126   | 227   | 316   | 706   | 657   | 262   | 227   | 491   | 244   | 760   | 329   | 110   | 784   | 500   | 159   |
| Grand Totals.... | 3,541 | 6,661 | 2,002 | 1,029 | 2,025 | 3,394 | 6,023 | 5,513 | 2,919 | 2,063 | 4,499 | 2,287 | 6,344 | 3,520 | 1,082 | 6,299 | 5,383 | 1,539 |

## VOTES CAST FOR STATE OFFICERS

[illegible]



|                   |       |       |       |     |       |       |       |       |       |       |       |       |       |       |       |       |
|-------------------|-------|-------|-------|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 5.....            | 180   | 108   | 28    | 18  | 112   | 120   | 102   | 176   | 38    | 120   | 196   | 38    | 100   | 175   | 67    | 92    |
| 5.....            | 160   | 133   | 40    | 22  | 116   | 136   | 103   | 179   | 49    | 127   | 210   | 42    | 103   | 192   | 72    | 91    |
| 5.....            | 93    | 271   | 57    | 17  | 191   | 151   | 96    | 235   | 76    | 127   | 245   | 72    | 121   | 262   | 80    | 96    |
| 5.....            | 55    | 215   | 75    | 7   | 136   | 157   | 59    | 180   | 83    | 89    | 185   | 75    | 92    | 207   | 81    | 64    |
| Totals.....       | 488   | 727   | 200   | 64  | 555   | 564   | 360   | 770   | 246   | 463   | 836   | 227   | 416   | 836   | 300   | 343   |
| 6.....            | 116   | 84    | 48    | 22  | 85    | 89    | 96    | 126   | 24    | 120   | 157   | 27    | 86    | 152   | 33    | 85    |
| 6.....            | 112   | 125   | 85    | 12  | 138   | 121   | 75    | 177   | 47    | 110   | 200   | 44    | 90    | 202   | 52    | 80    |
| 6.....            | 180   | 123   | 56    | 36  | 112   | 146   | 137   | 182   | 50    | 163   | 193   | 54    | 148   | 211   | 62    | 122   |
| 6.....            | 108   | 222   | 85    | 19  | 141   | 177   | 116   | 215   | 75    | 144   | 232   | 76    | 126   | 247   | 85    | 102   |
| Totals.....       | 516   | 554   | 274   | 89  | 476   | 533   | 424   | 700   | 196   | 537   | 782   | 201   | 450   | 812   | 232   | 389   |
| 7.....            | 143   | 142   | 69    | 20  | 136   | 136   | 102   | 196   | 58    | 120   | 237   | 46    | 91    | 222   | 64    | 88    |
| 7.....            | 198   | 109   | 49    | 31  | 109   | 145   | 133   | 164   | 57    | 166   | 216   | 39    | 132   | 194   | 60    | 133   |
| 7.....            | 109   | 207   | 78    | 15  | 149   | 165   | 95    | 196   | 81    | 132   | 236   | 53    | 120   | 235   | 78    | 96    |
| 7.....            | 135   | 136   | 64    | 26  | 114   | 134   | 113   | 176   | 49    | 136   | 214   | 38    | 109   | 204   | 64    | 93    |
| Totals.....       | 585   | 594   | 260   | 92  | 508   | 580   | 443   | 732   | 245   | 554   | 903   | 176   | 452   | 855   | 266   | 410   |
| 8.....            | 141   | 176   | 61    | 18  | 179   | 125   | 92    | 204   | 74    | 118   | 246   | 50    | 100   | 245   | 66    | 85    |
| 8.....            | 106   | 223   | 74    | 17  | 192   | 164   | 64    | 235   | 94    | 91    | 263   | 72    | 85    | 285   | 70    | 65    |
| 8.....            | 332   | 57    | 35    | 49  | 117   | 172   | 184   | 178   | 70    | 225   | 241   | 48    | 184   | 194   | 87    | 192   |
| Totals.....       | 579   | 456   | 170   | 84  | 488   | 461   | 340   | 617   | 238   | 434   | 750   | 170   | 369   | 724   | 223   | 342   |
| 9.....            | 106   | 260   | 66    | 12  | 218   | 158   | 68    | 232   | 110   | 102   | 261   | 85    | 98    | 296   | 88    | 60    |
| 9.....            | 197   | 200   | 47    | 22  | 204   | 167   | 95    | 202   | 140   | 124   | 271   | 85    | 110   | 268   | 84    | 114   |
| 9.....            | 229   | 215   | 71    | 29  | 177   | 224   | 143   | 264   | 115   | 165   | 315   | 69    | 160   | 277   | 116   | 151   |
| Totals.....       | 532   | 675   | 184   | 63  | 599   | 549   | 306   | 698   | 365   | 391   | 847   | 239   | 368   | 841   | 288   | 325   |
| 10.....           | 86    | 280   | 61    | 10  | 195   | 160   | 82    | 244   | 89    | 104   | 248   | 87    | 102   | 275   | 95    | 67    |
| 10.....           | 84    | 253   | 54    | 16  | 187   | 139   | 81    | 218   | 83    | 106   | 218   | 74    | 115   | 247   | 72    | 88    |
| 10.....           | 250   | 61    | 28    | 28  | 133   | 113   | 121   | 164   | 68    | 135   | 194   | 29    | 144   | 165   | 70    | 132   |
| Totals.....       | 420   | 504   | 143   | 54  | 515   | 412   | 284   | 626   | 240   | 345   | 660   | 190   | 361   | 687   | 237   | 287   |
| 11.....           | 161   | 244   | 88    | 24  | 200   | 213   | 104   | 276   | 79    | 162   | 275   | 94    | 148   | 281   | 113   | 123   |
| 11.....           | 319   | 139   | 66    | 19  | 189   | 206   | 148   | 291   | 82    | 70    | 319   | 73    | 151   | 315   | 107   | 121   |
| 11.....           | 287   | 36    | 26    | 34  | 101   | 157   | 125   | 185   | 56    | 142   | 212   | 55    | 116   | 189   | 83    | 111   |
| Totals.....       | 767   | 419   | 180   | 77  | 490   | 576   | 377   | 752   | 217   | 474   | 806   | 222   | 415   | 785   | 303   | 355   |
| Grand Totals..... | 6,028 | 4,672 | 1,717 | 816 | 4,595 | 4,970 | 3,668 | 6,470 | 2,167 | 4,596 | 7,454 | 1,790 | 3,989 | 7,279 | 2,443 | 3,511 |

| WARD                         | PRECINCT | MAYOR                               |                                   |   |   |                     |                     |       |  |                                    |         | ASSESSOR |                                      |                                     |       | SCHOOL COMMITTEE                 |       |                     |                                     |       |
|------------------------------|----------|-------------------------------------|-----------------------------------|---|---|---------------------|---------------------|-------|--|------------------------------------|---------|----------|--------------------------------------|-------------------------------------|-------|----------------------------------|-------|---------------------|-------------------------------------|-------|
|                              |          |                                     |                                   |   |   |                     |                     |       |  |                                    |         |          |                                      |                                     |       |                                  |       |                     |                                     |       |
|                              |          |                                     |                                   |   |   |                     |                     |       |  |                                    |         |          |                                      |                                     |       |                                  |       |                     |                                     |       |
| Total number of ballots cast |          |                                     |                                   |   |   |                     |                     |       |  |                                    |         |          |                                      |                                     |       | At Large                         |       | Dist. No. 2.        |                                     |       |
|                              |          | John P. Brennan,<br>24 De Wolfe St. | Timothy W. Good,<br>20 Forest St. | James A. Montgomery<br>406 Columbia St. | Michael M. O'Connor,<br>24 Woodbridge St. | Wendell D. Rockwood | Arthur H. Blanchard | Blank | Bernard F. Fallon,<br>184 Magazine St. | John C. Haverly,<br>885 Mass. Ave. | Goodwin | Blank    | Fred A. McMenimen,<br>100 Winter St. | James B. Valley,<br>39 Roseland St. | Blank | John E. Dwyer,<br>878 Mass. Ave. | Dolan | Charles A. Reynolds | Harry F. R. Dolan,<br>39 Huron Ave. | Blank |
| 1.....                       | 1.....   | 24                                  | 250                               | 275                                     | 8   |                     |                     | 6     | 281                                    | 242                                |         | 40       | 385                                  | 137                                 | 41    |                                  |       |                     |                                     |       |
| 2.....                       | 2.....   | 57                                  | 235                               | 317                                     | 12  |                     |                     | 11    | 352                                    | 245                                |         | 35       | 423                                  | 162                                 | 47    |                                  |       |                     |                                     |       |
| 3.....                       | 1.....   | 10                                  | 77                                | 188                                     | 11  |                     |                     | 3     | 161                                    | 111                                |         | 17       | 126                                  | 136                                 | 27    |                                  |       |                     |                                     |       |
| 3.....                       | 2.....   | 6                                   | 68                                | 182                                     | 1   |                     |                     | 3     | 131                                    | 104                                |         | 25       | 106                                  | 122                                 | 32    |                                  |       |                     |                                     |       |
| 3.....                       | 3.....   | 19                                  | 107                               | 189                                     | 3   |                     |                     | 1     | 132                                    | 178                                |         | 9        | 138                                  | 156                                 | 25    |                                  |       |                     |                                     |       |
| 3.....                       | 4.....   | 11                                  | 98                                | 173                                     | 0   |                     |                     | 3     | 142                                    | 125                                |         | 18       | 97                                   | 154                                 | 34    |                                  |       |                     |                                     |       |
| Ward 3 Totals..              |          | 46                                  | 350                               | 732                                     | 15  |                     |                     | 10    | 566                                    | 518                                |         | 69       | 467                                  | 568                                 | 118   |                                  |       |                     |                                     |       |
| 4.....                       | 4.....   | 34                                  | 262                               | 299                                     | 14  |                     |                     | 2     | 245                                    | 348                                |         | 18       | 190                                  | 375                                 | 46    |                                  |       |                     |                                     | 173   |
| 5.....                       | 5.....   | 37                                  | 339                               | 296                                     | 6   |                     |                     | 4     | 243                                    | 426                                |         | 13       | 287                                  | 345                                 | 50    |                                  |       |                     |                                     | 228   |
| 6.....                       | 6.....   | 61                                  | 297                               | 165                                     | 19  |                     | 1                   | 5     | 351                                    | 182                                |         | 15       | 136                                  | 355                                 | 58    |                                  | 1     |                     |                                     | 168   |
| 7.....                       | 7.....   | 76                                  | 420                               | 128                                     | 8   |                     |                     | 6     | 376                                    | 238                                |         | 24       | 185                                  | 369                                 | 84    |                                  |       |                     |                                     | 203   |
| 8.....                       | 8.....   | 219                                 | 328                               | 71                                      | 3   |                     |                     | 7     | 369                                    | 230                                |         | 29       | 190                                  | 374                                 | 64    |                                  |       |                     |                                     |       |
| 9.....                       | 1.....   | 15                                  | 73                                | 13                                      | 1   |                     |                     | 0     | 64                                     | 30                                 |         | 8        | 15                                   | 74                                  | 13    |                                  |       |                     |                                     |       |
| 9.....                       | 2.....   | 37                                  | 128                               | 20                                      | 0   |                     |                     | 0     | 104                                    | 74                                 |         | 7        | 36                                   | 125                                 | 24    |                                  |       |                     |                                     |       |
| 9.....                       | 3.....   | 57                                  | 153                               | 38                                      | 2   |                     |                     | 3     | 185                                    | 61                                 |         | 7        | 92                                   | 136                                 | 25    |                                  |       |                     |                                     |       |
| Ward 9 Totals..              |          | 109                                 | 354                               | 71                                      | 3   |                     |                     | 3     | 353                                    | 165                                |         | 22       | 143                                  | 335                                 | 62    |                                  |       |                     | 1                                   |       |
| 10.....                      | 1.....   | 12                                  | 80                                | 4                                       | 3   |                     |                     | 0     | 61                                     | 30                                 |         | 9        | 23                                   | 71                                  | 5     |                                  |       |                     | 1                                   |       |
| 10.....                      | 2.....   | 9                                   | 55                                | 10                                      | 0   |                     |                     | 3     | 40                                     | 35                                 |         | 2        | 32                                   | 36                                  | 8     |                                  |       |                     |                                     |       |
| 10.....                      | 3.....   | 27                                  | 179                               | 53                                      | 4   |                     |                     | 1     | 157                                    | 100                                |         | 7        | 56                                   | 193                                 | 15    |                                  |       |                     |                                     |       |
| Ward 10 Totals..             |          | 48                                  | 314                               | 67                                      | 7   |                     |                     | 4     | 258                                    | 165                                |         | 18       | 111                                  | 300                                 | 28    |                                  |       |                     | 1                                   |       |
| Grand Totals.....            |          | 807                                 | 3,590                             | 2,578                                   | 149                                       | 2                   | 1                   | 62    | 3,852                                  | 3,025                              | 1       | 311      | 2,778                                | 3,742                               | 667   | 1,707                            | 1     | 1                   | 1                                   | 772   |

| WARD              | PREC.  | Thomas E. Delehanly | Charles F. Murphy | Michael L. Horrigan | Hugh W. Mullen | John C. Curtin | Charles H. Gaffney | James W. Sullivan | John L. Friel | Dennis J. Callahan | Frank J. McAvoy | William Danehy | Edward L. McManus | John P. Good | Hyman Rosman | James H. Murphy | John J. Hurley | Daniel Cronin | James W. Cairnes | George P. Le Grand | Frank L. Mallahan | Roger T. Sullivan |
|-------------------|--------|---------------------|-------------------|---------------------|----------------|----------------|--------------------|-------------------|---------------|--------------------|-----------------|----------------|-------------------|--------------|--------------|-----------------|----------------|---------------|------------------|--------------------|-------------------|-------------------|
| 1.....            |        | 154                 | 219               | 106                 | 281            | 139            | 337                | 66                | 60            | 98                 | 168             | 143            | 54                | 116          | 33           | 77              | 89             | 92            | 62               | 90                 | 225               | 46                |
| 2.....            |        | 170                 | 262               | 140                 | 398            | 118            | 308                | 66                | 59            | 133                | 206             | 145            | 39                | 108          | 26           | 115             | 113            | 121           | 99               | 59                 | 273               | 44                |
| 3.....            | 1..... | 75                  | 147               | 74                  | 126            | 50             | 114                | 36                | 31            | 32                 | 174             | 48             | 16                | 51           | 24           | 55              | 45             | 84            | 84               | 28                 | 84                | 34                |
| 3.....            | 2..... | 61                  | 119               | 47                  | 111            | 42             | 100                | 25                | 34            | 43                 | 110             | 47             | 9                 | 56           | 34           | 62              | 35             | 86            | 76               | 25                 | 69                | 41                |
| 3.....            | 3..... | 123                 | 135               | 92                  | 132            | 65             | 117                | 38                | 54            | 52                 | 180             | 67             | 18                | 73           | 19           | 82              | 45             | 119           | 107              | 38                 | 63                | 47                |
| 3.....            | 4..... | 87                  | 88                | 41                  | 158            | 47             | 106                | 28                | 33            | 40                 | 114             | 71             | 19                | 73           | 41           | 75              | 46             | 72            | 51               | 32                 | 54                | 33                |
| Ward 3 Totals..   |        | 346                 | 489               | 254                 | 527            | 204            | 437                | 127               | 152           | 167                | 578             | 233            | 62                | 253          | 118          | 274             | 171            | 371           | 318              | 123                | 270               | 155               |
| 4.....            |        | 231                 | 180               | 73                  | 295            | 146            | 261                | 75                | 75            | 115                | 218             | 278            | 33                | 199          | 33           | 160             | 107            | 109           | 74               | 89                 | 63                | 67                |
| 5.....            |        | 222                 | 165               | 76                  | 300            | 166            | 208                | 64                | 49            | 121                | 229             | 229            | 41                | 293          | 31           | 172             | 93             | 138           | 83               | 100                | 113               | 66                |
| 6.....            |        | 342                 | 126               | 50                  | 207            | 157            | 180                | 79                | 32            | 91                 | 145             | 180            | 37                | 198          | 23           | 215             | 79             | 73            | 34               | 84                 | 47                | 82                |
| 7.....            |        | 337                 | 145               | 43                  | 235            | 210            | 158                | 107               | 27            | 88                 | 121             | 258            | 35                | 334          | 22           | 362             | 117            | 65            | 39               | 133                | 25                | 102               |
| 8.....            |        | 205                 | 116               | 82                  | 200            | 292            | 137                | 196               | 22            | 134                | 112             | 299            | 35                | 350          | 21           | 193             | 137            | 102           | 30               | 150                | 36                | 105               |
| 9.....            | 1..... | 26                  | 12                | 7                   | 31             | 55             | 18                 | 24                | 5             | 24                 | 21              | 34             | 6                 | 69           | 3            | 11              | 28             | 11            | 5                | 25                 | 1                 | 6                 |
| 9.....            | 2..... | 38                  | 34                | 12                  | 47             | 109            | 26                 | 47                | 4             | 33                 | 22              | 41             | 14                | 100          | 6            | 37              | 93             | 17            | 6                | 114                | 6                 | 26                |
| 9.....            | 3..... | 48                  | 37                | 15                  | 67             | 184            | 28                 | 29                | 8             | 67                 | 29              | 80             | 21                | 112          | 6            | 45              | 98             | 28            | 4                | 65                 | 90                | 15                |
| Ward 9 Totals..   |        | 112                 | 83                | 34                  | 145            | 348            | 72                 | 100               | 19            | 124                | 72              | 155            | 41                | 231          | 15           | 101             | 219            | 56            | 15               | 204                | 27                | 47                |
| 10.....           | 1..... | 22                  | 19                | 11                  | 37             | 43             | 17                 | 19                | 7             | 32                 | 17              | 33             | 12                | 72           | 3            | 19              | 24             | 13            | 4                | 46                 | 5                 | 7                 |
| 10.....           | 2..... | 17                  | 18                | 6                   | 23             | 30             | 12                 | 11                | 7             | 24                 | 14              | 22             | 13                | 43           | 5            | 10              | 29             | 8             | 6                | 37                 | 4                 | 9                 |
| 10.....           | 3..... | 53                  | 51                | 24                  | 71             | 138            | 41                 | 51                | 12            | 68                 | 38              | 74             | 61                | 137          | 11           | 60              | 118            | 32            | 8                | 151                | 14                | 24                |
| Ward 10 Totals..  |        | 92                  | 88                | 41                  | 131            | 211            | 70                 | 81                | 26            | 124                | 69              | 129            | 86                | 252          | 19           | 89              | 171            | 53            | 18               | 234                | 23                | 40                |
| 11.....           |        | 161                 | 138               | 51                  | 262            | 376            | 159                | 83                | 20            | 283                | 131             | 301            | 81                | 329          | 24           | 128             | 227            | 93            | 31               | 261                | 57                | 45                |
| Grand Totals..... |        | 2,372               | 2,011             | 950                 | 2,981          | 2,367          | 2,319              | 1,044             | 539           | 1,478              | 2,049           | 2,260          | 544               | 2,713        | 365          | 1,886           | 1,523          | 1,263         | 803              | 1,527              | 1,159             | 804               |



| WARD             | PREC.  | Chas. H. McSweeney | Joseph A. Sullivan | Frank McLaughlin | Peter J. Nelligan | Dennis F. Hurley | Charles H. Millner | John A. Kelleher | William L. Nixon | John A. McDonald | John M. Cotter | Robert H. O'Neill | James J. Delaney | John L. McDonald | John J. Buckley | Joseph J. Reed | Thomas E. Kennedy | William W. Brogan | William J. Driscoll | Edward H. McDuffee | Peter J. Coreoran | Blank  |
|------------------|--------|--------------------|--------------------|------------------|-------------------|------------------|--------------------|------------------|------------------|------------------|----------------|-------------------|------------------|------------------|-----------------|----------------|-------------------|-------------------|---------------------|--------------------|-------------------|--------|
| 1.....           |        | 92                 | 170                | 90               | 131               | 122              | 21                 | 85               | 57               | 297              | 78             | 53                | 65               | 153              | 45              | 221            | 30                | 18                | 18                  | 49                 | 45                | 1,699  |
| 2.....           |        | 81                 | 144                | 100              | 130               | 178              | 30                 | 113              | 55               | 246              | 133            | 55                | 116              | 170              | 63              | 246            | 90                | 32                | 23                  | 46                 | 53                | 1,871  |
| 3.....           | 1..... | 26                 | 52                 | 73               | 59                | 113              | 13                 | 49               | 26               | 61               | 24             | 25                | 73               | 87               | 22              | 163            | 31                | 15                | 19                  | 23                 | 14                | 799    |
| 3.....           | 2..... | 18                 | 47                 | 67               | 52                | 93               | 13                 | 34               | 28               | 49               | 10             | 31                | 57               | 79               | 15              | 155            | 44                | 12                | 8                   | 27                 | 19                | 770    |
| 3.....           | 3..... | 29                 | 53                 | 61               | 77                | 94               | 12                 | 45               | 29               | 57               | 21             | 61                | 79               | 76               | 30              | 165            | 35                | 13                | 13                  | 53                 | 29                | 811    |
| 3.....           | 4..... | 34                 | 61                 | 69               | 93                | 91               | 20                 | 44               | 16               | 57               | 18             | 43                | 55               | 74               | 27              | 142            | 49                | 25                | 10                  | 66                 | 22                | 810    |
| Ward 3 Totals..  |        | 107                | 213                | 270              | 281               | 391              | 58                 | 172              | 99               | 224              | 73             | 160               | 264              | 316              | 94              | 625            | 159               | 65                | 50                  | 169                | 84                | 3,190  |
| 4.....           |        | 88                 | 101                | 129              | 205               | 135              | 32                 | 156              | 115              | 96               | 19             | 208               | 108              | 146              | 79              | 186            | 78                | 28                | 41                  | 238                | 74                | 1,578  |
| 5.....           |        | 217                | 102                | 182              | 284               | 136              | 50                 | 207              | 57               | 160              | 37             | 183               | 60               | 225              | 132             | 270            | 116               | 50                | 29                  | 134                | 61                | 1,851  |
| 6.....           |        | 56                 | 54                 | 82               | 184               | 142              | 47                 | 99               | 128              | 106              | 16             | 135               | 67               | 186              | 56              | 114            | 62                | 50                | 48                  | 228                | 139               | 1,579  |
| 7.....           |        | 88                 | 57                 | 69               | 290               | 107              | 114                | 168              | 132              | 84               | 25             | 119               | 39               | 343              | 74              | 142            | 67                | 78                | 44                  | 200                | 129               | 1,684  |
| 8.....           |        | 74                 | 97                 | 84               | 255               | 102              | 42                 | 188              | 137              | 111              | 21             | 108               | 39               | 309              | 88              | 135            | 73                | 71                | 50                  | 96                 | 76                | 1,888  |
| 9.....           | 1..... | 13                 | 8                  | 15               | 57                | 14               | 16                 | 46               | 14               | 20               | 8              | 15                | 5                | 40               | 27              | 23             | 21                | 15                | 5                   | 14                 | 11                | 304    |
| 9.....           | 2..... | 6                  | 22                 | 21               | 71                | 28               | 4                  | 59               | 21               | 28               | 9              | 25                | 5                | 42               | 55              | 17             | 97                | 38                | 20                  | 17                 | 11                | 576    |
| 9.....           | 3..... | 38                 | 23                 | 32               | 103               | 36               | 4                  | 82               | 8                | 27               | 15             | 19                | 11               | 47               | 77              | 35             | 59                | 24                | 18                  | 43                 | 28                | 1,037  |
| Ward 9 Totals..  |        | 67                 | 53                 | 68               | 231               | 78               | 24                 | 187              | 43               | 75               | 32             | 59                | 21               | 129              | 159             | 75             | 177               | 77                | 43                  | 74                 | 50                | 1,917  |
| 10.....          | 1..... | 19                 | 12                 | 11               | 55                | 11               | 8                  | 45               | 7                | 20               | 8              | 12                | 7                | 20               | 25              | 19             | 19                | 20                | 10                  | 15                 | 17                | 278    |
| 10.....          | 2..... | 9                  | 10                 | 6                | 47                | 9                | 3                  | 37               | 7                | 16               | 10             | 9                 | 7                | 20               | 23              | 19             | 21                | 23                | 16                  | 8                  | 11                | 177    |
| 10.....          | 3..... | 16                 | 35                 | 19               | 145               | 24               | 6                  | 109              | 21               | 42               | 24             | 31                | 15               | 63               | 95              | 54             | 107               | 73                | 59                  | 19                 | 27                | 685    |
| Ward 10 Totals.. |        | 44                 | 57                 | 36               | 247               | 44               | 17                 | 191              | 35               | 78               | 42             | 52                | 29               | 103              | 143             | 92             | 147               | 116               | 85                  | 42                 | 55                | 1,138  |
| 11.....          |        | 71                 | 83                 | 77               | 565               | 92               | 22                 | 445              | 95               | 111              | 106            | 99                | 56               | 165              | 130             | 148            | 99                | 203               | 368                 | 65                 | 46                | 1,992  |
| Grand Totals.... |        | 985                | 1,131              | 1,187            | 2,803             | 1,527            | 457                | 2,011            | 953              | 1,588            | 552            | 1,231             | 864              | 2,245            | 1,063           | 2,254          | 1,098             | 788               | 799                 | 1,341              | 811               | 20,407 |







|                     |          | MAYOR                                  |                            |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  |                                     |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | Total number of ballots cast |
|---------------------|----------|--|----------------------------|-----------------|------------------------------|------|-----------------------------------|---------|------------|--------------|-----------------|----------------------------------|---------------------|------------------|-------------------------------------|---------------------|----------|----------------------------------|----------------|-------------|-------------------|-------------|---------------------|----------------------------------|-------------------------------------|--|------------------------------|
| WARD                | PRECINCT | Arthur F. Blanchard<br>159 Upland Road | Tim Good,<br>20 Forest St. | Timothy E. Good | T. W. Good,<br>24 Forest St. | Good | Timothy W. Good,<br>20 Forest St. | T. Good | T. W. Good | Timothy Good | Timothy W. Good | George S. Lang,<br>625 Green St. | James W. Montgomery | Michael O'Connor | Wendell D. Rockwood,<br>11 Avon St. | Wendell D. Rockwood | Rockwood | Wendell D. Rockwood,<br>Avon St. | W. D. Rockwood | W. Rockwood | Rockwood McIntire | M. Rockwood | Wendell P. Rockwood | Wendell Rockwood,<br>11 Avon St. | Wendell D. Rockwood,<br>19 Avon St. | Charles E. Carruth, 2nd,<br>9 Laurel St. | Blanks                       |
|                     |          | 5                                      | 5                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 1                                   |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 0                            |
|                     |          | 3                                      | 1                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  |                                     |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 1                            |
|                     |          | 0                                      | 0                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  |                                     |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 0                            |
|                     |          | 1                                      | 1                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  |                                     |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 0                            |
|                     |          | 5                                      | 4                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  |                                     |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 1                            |
| Ward 3 Totals.....  |          | 6                                      | 5                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  |                                     |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 7                            |
|                     |          | 59                                     | 23                         |                 |                              |      |                                   |         |            |              |                 | 1                                |                     |                  | 29                                  | 1                   |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 15                           |
|                     |          | 97                                     | 21                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 59                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 15                           |
|                     |          | 113                                    | 34                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 62                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 18                           |
|                     |          | 149                                    | 46                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 81                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 1                            |
|                     |          | 66                                     | 14                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 40                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 15                           |
|                     |          | 40                                     | 5                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 31                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 8                            |
|                     |          | 33                                     | 5                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 26                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 1                            |
|                     |          | 28                                     | 3                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 24                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 0                            |
| Ward 9 Totals.....  |          | 101                                    | 13                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 81                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 2                            |
|                     |          | 70                                     | 12                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 51                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 8                            |
|                     |          | 85                                     | 34                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 46                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 2                            |
|                     |          | 12                                     | 2                          |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 2                                   |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 5                            |
| Ward 10 Totals..... |          | 176                                    | 48                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 99                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 15                           |
|                     |          | 35                                     | 12                         |                 |                              |      |                                   |         |            |              |                 |                                  |                     |                  | 12                                  |                     |          |                                  |                |             |                   |             |                     |                                  |                                     |  | 3                            |
| Grand Totals.....   |          | 810                                    | 222                        | 1               | 1                            | 1    | 2                                 | 1       | 1          | 3            | 5               | 2                                | 1                   | 1                | 464                                 | 6                   | 2        | 2                                | 2              | 2           | 1                 | 1           | 1                   | 1                                | 1                                   | 1  | 85                           |

## VOTES CAST AT PRIMARIES

| ASSESSOR            |          |               |                   |                   |                                 |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      |                    |       |
|---------------------|----------|---------------|-------------------|-------------------|---------------------------------|-------------------|----------------|------------|---------------------------------------|-------------------|--------|--------|--------------------------------------|-------------------------------------|------------------|-------|------|--------------------|-------|
| WARD                | PRECINCT | Julius Meyers | George A. Goodwin | Harry F. R. Dolan | Julius Meyers,<br>417 Green St. | George W. Goodwin | Stoughton Bell | R. W. Hull | George A. Goodwin<br>36 Glenwood Ave. | Olmore C. Francis | Fallon | Meyers | Harry F. R. Dolan,<br>390 Huron Ave. | Charles J. Wood,<br>63 Magazine St. | Reginald M. Hull | Dolan | Hull | Harry W. McKeganor | Blank |
| Ward 3 Totals.....  |          |               |                   |                   | 1                               |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      |                    |       |
| 4.....              |          |               |                   |                   | 21                              |                   |                |            |                                       |                   |        |        | 1                                    | 1                                   |                  |       |      |                    | 6     |
| 5.....              |          |               |                   |                   | 39                              |                   |                |            |                                       |                   | 1      | 49     | 1                                    |                                     |                  |       |      |                    | 0     |
| 6.....              |          |               |                   |                   |                                 |                   |                |            |                                       |                   |        |        |                                      |                                     | 1                |       |      |                    | 1     |
| 7.....              |          |               |                   |                   |                                 |                   |                |            |                                       |                   |        | 36     |                                      |                                     |                  | 1     | 1    |                    | 0     |
| 8.....              |          | 84            |                   |                   | 27                              | 1                 | 1              | 1          |                                       |                   |        |        |                                      |                                     |                  |       |      |                    | 5     |
| 9.....              |          |               |                   |                   | 19                              |                   |                |            | 1                                     |                   |        |        |                                      |                                     |                  |       |      |                    | 0     |
| 9.....              |          |               |                   |                   | 21                              |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      |                    | 1     |
| 9.....              |          |               |                   |                   |                                 |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      |                    | 0     |
| Ward 9 Totals.....  |          |               |                   |                   | 67                              | 1                 | 1              | 1          | 1                                     |                   |        |        |                                      |                                     |                  |       |      |                    |       |
| 10.....             |          | 44            | 1                 | 1                 | 46                              |                   |                |            |                                       | 2                 |        |        | 1                                    |                                     |                  |       |      |                    | 30    |
| 10.....             |          |               |                   |                   | 3                               |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      |                    | 33    |
| 10.....             |          |               |                   |                   |                                 |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      |                    | 37    |
| Ward 10 Totals..... |          | 44            | 1                 | 1                 | 49                              |                   |                |            |                                       | 2                 |        |        | 1                                    |                                     |                  |       |      | 2                  | 8     |
| 1.....              |          | 9             |                   |                   |                                 |                   |                |            |                                       |                   |        |        |                                      |                                     |                  |       |      | 2                  | 24    |
| Grand Totals .....  |          | 137           | 1                 | 1                 | 177                             | 1                 | 1              | 1          | 1                                     | 2                 | 1      | 85     | 2                                    | 1                                   | 1                | 1     | 1    | 2                  | 895   |

| ALDERMEN            |          |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
|---------------------|----------|------|--------|-------|---------|--------|----------|------|-------|---------|---------|---------|-----------|----------|--------|--------------------|---|-------------------------|-------|
| WARD                | PRECINCT | Poor | Sewell | Clary | Metcalf | Feeley | Stephens | Hull | Adams | Vaughan | Reading | Willson | Henderson | Hathaway | Whaley | Warren R. Blodgett | Geo. H. Garrick,<br>68 Fayerweather St. | Charles E. Garruth, 2nd | Blank |
| 1                   | 1.....   | 5    | 5      | 3     | 6       | 4      | 6        | 5    | 3     | 5       | 2       | 4       | 4         | 4        | 2      |                    |   |                         | 8     |
|                     | 2.....   | 1    | 2      | 2     | 1       | 1      | 2        | 1    | 1     | 0       | 1       | 2       | 0         | 1        | 0      |                    |   |                         | 18    |
|                     | 3.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
|                     | 3.....   | 1    | 1      | 1     | 1       | 1      | 1        | 1    | 1     | 0       | 1       | 1       | 0         | 1        | 0      |                    |   |                         |       |
|                     | 3.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
| 2                   | 1.....   | 3    | 3      | 3     | 3       | 2      | 3        | 2    | 3     | 2       | 3       | 2       | 1         | 2        | 2      |                    |   |                         | 21    |
|                     | 2.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
|                     | 3.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
|                     | 3.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
|                     | 3.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
| Ward 3 Totals.....  |          | 4    | 4      | 4     | 4       | 3      | 4        | 3    | 4     | 2       | 4       | 3       | 1         | 3        | 2      |                    |   |                         | 21    |
| 3                   | 4.....   | 37   | 32     | 28    | 35      | 23     | 34       | 27   | 33    | 21      | 31      | 37      | 29        | 28       | 18     |                    |   | 1                       | 236   |
|                     | 5.....   | 66   | 64     | 58    | 69      | 41     | 70       | 64   | 66    | 46      | 57      | 61      | 49        | 60       | 16     |                    |   |                         | 280   |
|                     | 6.....   | 85   | 73     | 67    | 75      | 60     | 79       | 66   | 74    | 56      | 59      | 71      | 50        | 56       | 25     |                    |   |                         | 347   |
|                     | 7.....   | 98   | 90     | 88    | 88      | 98     | 105      | 87   | 89    | 83      | 67      | 81      | 72        | 57       | 46     |                    |   |                         | 489   |
|                     | 8.....   | 50   | 44     | 44    | 49      | 33     | 56       | 47   | 50    | 33      | 40      | 39      | 34        | 42       | 8      |                    |   |                         | 157   |
|                     | 9.....   | 32   | 31     | 29    | 32      | 18     | 33       | 33   | 33    | 18      | 30      | 24      | 20        | 28       | 3      |                    |   |                         | 76    |
|                     | 9.....   | 31   | 27     | 25    | 28      | 9      | 28       | 27   | 27    | 18      | 25      | 19      | 22        | 20       | 1      |                    |   |                         | 56    |
|                     | 9.....   | 25   | 18     | 18    | 20      | 10     | 23       | 20   | 21    | 16      | 15      | 11      | 18        | 20       | 4      |                    | 1                                       |                         | 68    |
|                     | 9.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
|                     | 9.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
| Ward 9 Totals.....  |          | 88   | 76     | 72    | 80      | 37     | 84       | 80   | 81    | 52      | 70      | 54      | 60        | 68       | 8      |                    | 1                                       |                         | 200   |
| 10                  | 1.....   | 54   | 51     | 55    | 70      | 28     | 60       | 57   | 50    | 41      | 42      | 35      | 45        | 61       | 8      |                    |   |                         | 212   |
|                     | 2.....   | 68   | 68     | 54    | 77      | 35     | 70       | 60   | 58    | 49      | 58      | 56      | 61        | 71       | 20     |                    | 1                                       |                         | 129   |
|                     | 3.....   | 10   | 9      | 9     | 10      | 7      | 10       | 10   | 9     | 7       | 11      | 8       | 4         | 9        | 2      |                    |   |                         | 17    |
|                     | 3.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
| Ward 10 Totals..... |          | 132  | 128    | 118   | 157     | 70     | 140      | 127  | 117   | 97      | 111     | 99      | 110       | 141      | 30     |                    | 1                                       |                         | 358   |
| 11                  | 1.....   | 25   | 23     | 20    | 25      | 16     | 24       | 20   | 23    | 11      | 19      | 17      | 19        | 24       | 9      |                    |   |                         | 110   |
|                     | 1.....   |      |        |       |         |        |          |      |       |         |         |         |           |          |        |                    |   |                         |       |
| Grand Totals.....   |          | 591  | 541    | 504   | 589     | 386    | 604      | 527  | 541   | 406     | 461     | 468     | 428       | 484      | 164    | 1                  | 1                                       | 1                       | 2,224 |



MUNICIPAL PRIMARY, CITIZENS' MUNICIPAL PARTY, FEBRUARY 17, 1914—Continued

| WARD   | PRECINCT | COMMON COUNCIL |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
|--------|----------|----------------|----------|-------|-----|---------|-------|--------|---------|----------|-------|----------|--------|-------|-------|--------|-------------------------|------------|---------------------|-------|-------------|---------------------|------------------|-------|--|
|        |          | Blank          | McCarthy | Plank | Lee | Gertson | Blank | Browne | Mariner | Stratton | Blank | Bradbury | Parker | Blank | Terry | Wright | Charles E. Carruth, 2nd | A. Tirrell | Charles A. Reynolds | Blank | Wm. J. Cole | Chester L. Erickson | Charles Reynolds | Blank |  |
| 1..... |          | 12             | 1        | 5     | 10  | 8       | 100   | 71     | 38      | 48       | 37    | 89       | 83     | 54    | 68    | 102    | 32                      | 1          | 3                   | 92    | 11          | 11                  | 1                | 109   |  |
| 2..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
| 3..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
| 4..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
| 5..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
| 6..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
| 7..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |
| 8..... |          |                |          |       |     |         |       |        |         |          |       |          |        |       |       |        |                         |            |                     |       |             |                     |                  |       |  |

MUNICIPAL PRIMARY, CITIZENS' MUNICIPAL PARTY, FEBRUARY 17, 1914.—Continued

| SCHOOL COMMITTEE, DIST. 2. |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
|----------------------------|------|----------|--------|----------|------------------------|-----------|-------|-------|------------|----------|-------|------|-------|----------|---------------------------------------|--------------------------------------|---------------------|---------------------|----------------|------------|--|-------|--|
| COMMON COUNCIL             |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
|                            | Nash | McDermod | Austin | Reynolds | Nathaniel C. Nash, Jr. | McDermott | Blank | Apted | Cunningham | Reynolds | Blank | Ward | Blank | Reynolds | Charles Reynolds,<br>229 Franklin St. | Harry F. R. Dolan,<br>390 Huron Ave. | Charles A. Reynolds | Wendell R. Rockwood | H. F. R. Dolan | Dwyer, Wm. | Charles A. Reynolds,<br>229 Franklin St. | Blank |  |
| WARD                       |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| PRECINCT                   |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 1.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 2.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 3.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 4.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 5.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 6.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 7.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 8.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     | 7    | 6        | 1      | 2        | 21                     | 14        | 64    |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      | 20       |        | 1        | 13                     |           | 25    |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           | 28    |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |
| 9.....                     |      |          |        |          |                        |           |       |       |            |          |       |      |       |          |                                       |                                      |                     |                     |                |            |  |       |  |

## VOTES CAST AT PRIMARIES

| SCHOOL COMMITTEE AT LARGE |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
|---------------------------|----------|----------------|-------------------|-------------|---------------|-------------------|--------------------------------------|--|---------------------------------|---------------------------------|--|--|-------|--------|---------------------------------------|-------------------|-----------|-------------|------------------|-------|
| WARD                      | PRECINCT | Frank S Gookin | Harry F. R. Dolan | E. C. Moore | Julius Meyers | Chas. A. Reynolds | Harry F. R. Dolan,<br>390 Huron Ave. | Charles W. Reynolds,<br>229 Franklin St. | Frank C. Gookin,<br>50 Dana St. | Frank L. Gookin,<br>50 Dana St. | Nathaniel C. Nash, Jr.,<br>1 Reservoir St. | Charles A. Reynolds,<br>229 Franklin St. | Dolan | Valley | Charles Reynolds,<br>229 Franklin St. | Josiah H. Crocker | Dr. Dwyer | H. F. Dolan | Charles Reynolds | Blank |
| 1.....                    |          |                |                   |             |               |                   | 1                                    |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 2.....                    |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 3.....                    | 1.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 3.....                    | 2.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 3.....                    | 3.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 3.....                    | 3.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 3.....                    | 4.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| Ward 3 Totals.....        |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 4.....                    |          |                |                   |             |               |                   | 20                                   |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 5.....                    |          |                |                   |             |               |                   | 44                                   |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 6.....                    |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 7.....                    |          |                |                   |             |               | 4                 |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 8.....                    |          |                |                   |             |               |                   | 26                                   |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 9.....                    | 1.....   |                |                   |             |               |                   | 23                                   | 2  | 1                               |                                 | 1  | 2  | 47    | 1      | 1                                     |                   | 1         | 65          |                  |       |
| 9.....                    | 2.....   |                |                   |             |               |                   | 21                                   |  |                                 |                                 |  | 4  | 37    |        |                                       |                   |           |             |                  |       |
| 9.....                    | 3.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| Ward 9 Totals.....        |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 10.....                   |          | 1              | 45                | 1           | 1             | 7                 | 70                                   | 2  | 1                               | 1                               | 1  | 6  |       |        |                                       |                   |           |             |                  |       |
| 10.....                   | 1.....   |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 10.....                   | 2.....   |                |                   |             |               |                   | 37                                   |  |                                 |                                 |  | 9  |       |        |                                       |                   |           |             |                  |       |
| 10.....                   | 3.....   |                |                   |             |               |                   | 3                                    |  |                                 |                                 |  | 1  |       |        |                                       |                   |           |             |                  |       |
| Ward 10 Totals.....       |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
| 11.....                   |          | 1              | 45                | 1           | 1             | 7                 | 40                                   |  |                                 |                                 |  | 10                                       |       |        |                                       |                   |           |             |                  |       |
| Grand Totals.....         |          |                |                   |             |               |                   |                                      |  |                                 |                                 |  |  |       |        |                                       |                   |           |             |                  |       |
|                           |          | 1              | 54                | 1           | 1             | 11                | 175                                  | 2  | 1                               | 1                               | 1  | 16                                       | 84    | 1      | 1                                     | 1                 | 1         | 65          | 2                | 392   |



CITIZENS' MUNICIPAL PARTY, FEBRUARY 17, 1914

WARD COMMITTEE

|              |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
|--------------|-------|-------|-------|-------------------------------------|--|---------------------------------|--|--------------------------------------|--------------------------------------|-----------------------------------|----------------------------------|---------------------------------|---|--------------------------------------|-------|----------|--------|----------|---------|--------|-----------|-------|-------|------------|-------|---------|-------|-----|
| WD. PREC.    | Blank | Blank | Blank | William H. Lee,<br>144 Hastings St. | Axel V. Gertson,<br>345 Washington St. | John Girfinkle<br>21 Market St. | George T. Mullett,<br>19 Worcester St. | Eugene L. Lynch,<br>183 Columbia St. | John C. Jacobson,<br>216 Harvard St. | George Parker,<br>601 Norfolk St. | Charles R. Hall,<br>222 Broadway | Chester Wilson,<br>225 Broadway | Winslow Herbert Dodge<br>132 Columbia St. | Isaac W. Rivers,<br>136 Columbia St. | Blank | Chandler | Norris | Thompson | Willson | Browne | Worcester | James | Brown | Chamberlin | Davis | Desmond | Blank | 213 |
| 1.....       | 66    | 33    | 11    | 55                                  | 66                                     |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 2.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 3.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 3.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 3.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 3.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 4.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| Wd. 3 Totals |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 4.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 5.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 6.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 7.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 8.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 9.....       |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 10.....      |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |
| 11.....      |       |       |       |                                     |  |                                 |  |                                      |                                      |                                   |                                  |                                 |   |                                      |       |          |        |          |         |        |           |       |       |            |       |         |       |     |

CITIZENS' MUNICIPAL PARTY, FEBRUARY 17, 1914—Continued

WARD COMMITTEE—Continued.

|           |               |   |              |   |            |   |                 |   |                     |   |                   |   |               |   |                  |   |                |   |                 |   |       |      |      |     |         |     |         |     |         |     |           |     |         |     |        |     |                 |   |               |   |            |   |            |   |       |     |
|-----------|---------------|---|--------------|---|------------|---|-----------------|---|---------------------|---|-------------------|---|---------------|---|------------------|---|----------------|---|-----------------|---|-------|------|------|-----|---------|-----|---------|-----|---------|-----|-----------|-----|---------|-----|--------|-----|-----------------|---|---------------|---|------------|---|------------|---|-------|-----|
| WD. PREC. | Clauss, F. F. | 1 | Mains, T. R. | 1 | Kee, G. T. | 1 | Craig, Robt. F. | 1 | Parker, Al. F., Jr. | 1 | Plummer, Chas. C. | 1 | Savage, A. C. | 1 | Ferdinand, E. L. | 1 | Whitman, H. F. | 1 | Bradbury, H. M. | 1 | Blank | 1233 | Wood | 120 | Barnard | 114 | Carruth | 113 | Tweedie | 117 | Lancaster | 111 | Googins | 115 | Wright | 122 | Charles Carruth | 1 | Obert Sletton | 1 | W. H. King | 1 | A. Pollard | 1 | Blank | 823 |
|-----------|---------------|---|--------------|---|------------|---|-----------------|---|---------------------|---|-------------------|---|---------------|---|------------------|---|----------------|---|-----------------|---|-------|------|------|-----|---------|-----|---------|-----|---------|-----|-----------|-----|---------|-----|--------|-----|-----------------|---|---------------|---|------------|---|------------|---|-------|-----|





PROGRESSIVE MUNICIPAL PRIMARY, FEBRUARY 17, 1914

| WARD         | SCHOOL COMMITTEE             |  |                |                                  |               |             |                                     |       |           |  |                |                                 |                                     |          |                                 |                    |                                       |                                      |  |  |  |                     |       |  |  |
|--------------|------------------------------|--|----------------|----------------------------------|---------------|-------------|-------------------------------------|-------|-----------|--|----------------|---------------------------------|-------------------------------------|----------|---------------------------------|--------------------|---------------------------------------|--------------------------------------|--|--|--|---------------------|-------|--|--|
|              | Whole number of ballots cast | MAYOR                                  |                |                                  |               |             |                                     |       |           | ASSESSOR                               |                |                                 |                                     | At Large |                                 |                    |                                       |                                      |  |  |  | District No. 2      |       |  |  |
|              |                              | Arthur F. Blanchard,<br>159 Upland Rd. | George S. Lang | George S. Lang,<br>635 Green St. | Rockwell Lang | George Lang | Wendell F. Rockwood,<br>11 Avon St. | Blank | Defective | George A. Goodwin,<br>36 Glenwood Ave. | Meyers, Julius | Meyers, Julius<br>417 Green St. | Johnson, Lewis J.<br>90 Raymond St. | Blank    | Frank L. Gookin,<br>50 Dana St. | Dolan, Harry F. R. | Dolan, Harry F. R.,<br>390 Huron Ave. | Dolan, Harry F. R.,<br>39 Huron Ave. | Chas. A. Reynolds,<br>229 Franklin St. | Edna Lawrence Spencer,<br>9 Pleasant St. | Chas. A. Reynolds,<br>229 Franklin St. | Charles A. Reynolds | Blank |  |  |
| 1.....       | 53                           | 2                                      |                | 1                                | 1             | 1           |                                     |       | 1         |  |                |                                 |                                     | 2        | 1                               |                    |                                       |                                      |  | 8  |  |                     |       |  |  |
| 2.....       | 10                           |  |                |                                  |               | 3           | 0                                   |       | 13        |  |                |                                 | 0                                   | 1        |                                 | 6                  |                                       |                                      |  | 5  |  |                     |       |  |  |
| 3.....       | 7                            |  |                |                                  |               | 1           | 1                                   |       | 19        |  |                |                                 | 0                                   | 8        |                                 |                    |                                       |                                      |  | 17                                       |  |                     |       |  |  |
| 4.....       | 10                           |  |                |                                  |               | 1           | 2                                   |       | 10        |  |                |                                 | 0                                   | 15       |                                 |                    |                                       |                                      |  | 19                                       |  |                     |       |  |  |
| 5.....       | 5                            | 2                                      |                |                                  |               | 1           | 0                                   |       | 6         | 2                                      |                |                                 | 3                                   | 18       |                                 |                    |                                       |                                      |  | 9  |  |                     |       |  |  |
| 6.....       | 19                           |  |                |                                  |               | 0           | 0                                   |       | 5         |  |                |                                 | 1                                   | 7        | 3                               | 17                 |                                       |                                      |  | 6  |  |                     |       |  |  |
| 7.....       | 17                           |  |                |                                  |               | 0           | 0                                   |       | 4         |  |                |                                 | 4                                   | 9        |                                 | 4                  |                                       |                                      |  | 19                                       |  |                     |       |  |  |
| 8.....       | 9                            |  |                |                                  |               | 0           | 0                                   |       | 14        |  |                |                                 | 1                                   | 12       |                                 |                    |                                       |                                      |  | 2  |  |                     |       |  |  |
| 9.....       | 27                           |  |                |                                  |               | 0           | 0                                   |       | 1         |  |                |                                 | 5                                   | 1        |                                 |                    |                                       |                                      |  | 3  |  |                     |       |  |  |
| 10.....      | 23                           |  |                |                                  |               | 0           | 0                                   |       |           |  |                |                                 | 1                                   | 12       |                                 |                    |                                       |                                      |  | 4  |  |                     |       |  |  |
| 11.....      | 1                            |  |                |                                  |               |             |                                     |       |           |  |                |                                 |                                     |          |                                 |                    |                                       |                                      |  | 0  |  |                     |       |  |  |
| Grand Totals | 131                          | 53                                     | 2              | 31                               | 1             | 8           | 3                                   | 41    | 79        | 3                                      | 32             | 1                               | 16                                  | 81       | 4                               | 28                 | 4                                     | 2                                    | 12                                     | 53                                       | 7                                      | 1                   | 7     |  |  |

PROGRESSIVE PARTY MUNICIPAL PRIMARY, FEBRUARY 17, 1914

| WARD               | ALDERMEN                              |   |                                 |                                      |                                   |  |                                      |                             |                                  |                                     |                                |                                       |   |                                |                                       |
|--------------------|---------------------------------------|---|---------------------------------|--------------------------------------|-----------------------------------|--|--------------------------------------|-----------------------------|----------------------------------|-------------------------------------|--------------------------------|---------------------------------------|---|--------------------------------|---------------------------------------|
|                    | James A. G. Whaley,<br>22 Jackson St. | George F. McGaffrey,<br>590 Putnam Ave. | John M. Murray,<br>798 Main St. | Charles A. Vaughan<br>16 Cottage St. | John E. Ollis,<br>117 Harvard St. | Hugh J. McGinness,<br>118 1-2 Pleasant St. | Benj. H. Poehner,<br>98 Kinnaird St. | Thomas Kay,<br>232 Broadway | Joseph E. Wall,<br>23 Decaur St. | Melvin L. Jones,<br>518 Putnam Ave. | Edward B. Hines,<br>6a Day St. | Martin A. Feeley,<br>265 Western Ave. | Clarence H. Poor, Jr.,<br>58 Highland St. | Walter Sewall,<br>6 Porter Pk. | Nelson C. Metcalf,<br>22 Linnaean St. |
|                    | 71                                    | 78                                      | 81                              | 72                                   | 82                                | 78   | 75                                   | 78                          | 79                               | 84                                  | 81                             | 26                                    | 32  | 33                             | 32                                    |
|                    | 1                                     | 1                                       | 1                               | 1                                    | 1                                 | 1  | 1                                    | 1                           | 1                                | 1                                   | 1                              |                                       |   |                                |                                       |
|                    | 4                                     | 4                                       | 5                               | 4                                    | 5                                 | 4  | 5                                    | 5                           | 5                                | 5                                   | 5                              | 20                                    | 20  | 21                             | 21                                    |
|                    | 13                                    | 14                                      | 12                              | 13                                   | 13                                | 13   | 11                                   | 12                          | 11                               | 14                                  | 15                             | 4                                     | 6   | 7                              | 6                                     |
|                    | 1                                     | 1                                       | 1                               | 1                                    | 1                                 | 1  | 1                                    | 1                           | 1                                | 1                                   | 1                              |                                       |   |                                |                                       |
|                    | 10                                    | 11                                      | 12                              | 13                                   | 12                                | 12   | 11                                   | 11                          | 11                               | 13                                  | 13                             |                                       |   |                                |                                       |
|                    | 6                                     | 9                                       | 6                               | 6                                    | 6                                 | 6  | 6                                    | 6                           | 6                                | 6                                   | 6                              |                                       |   |                                |                                       |
|                    | 10                                    | 11                                      | 13                              | 11                                   | 12                                | 12   | 11                                   | 16                          | 17                               | 17                                  | 14                             | 2                                     | 6   | 5                              | 5                                     |
|                    | 13                                    | 15                                      | 17                              | 13                                   | 14                                | 16   | 14                                   | 16                          | 17                               | 17                                  | 16                             |                                       |   |                                |                                       |
|                    | 13                                    | 16                                      | 16                              | 13                                   | 19                                | 15   | 16                                   | 16                          | 17                               | 17                                  | 16                             |                                       |   |                                |                                       |
| 8                  | 8                                     | 8                                       | 8                               | 9                                    | 8                                 | 8  | 8                                    | 8                           | 8                                | 1                                   |                                |                                       |   |                                |                                       |
| 1                  | 1                                     | 1                                       | 1                               | 1                                    | 1                                 | 1  | 1                                    | 1                           | 1                                | 1                                   | 2                              |                                       |   |                                |                                       |
| 2                  | 2                                     | 2                                       | 2                               | 2                                    | 2                                 | 2  | 2                                    | 2                           | 2                                | 2                                   | 2                              |                                       |   |                                |                                       |
| Grand Totals ..... |                                       |   |                                 |                                      |                                   |  |                                      |                             |                                  |                                     |                                |                                       |   |                                |                                       |

PROGRESSIVE PARTY MUNICIPAL PRIMARY, FEBRUARY 17, 1914—Continued

| WARD              | ALDERMEN                            |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       |    |
|-------------------|-------------------------------------|---------------------------------------|---------------------------------------|--|-----------------------------------|-----------------------------------|-----------------------------------|--|---------------------------------------|----------------------------------|-----------------------------------|---------------------------------|--|-----------------------------------|-------|----|
|                   | Harry B. Adams,<br>35 Arlington St. | Alton H. Hathaway,<br>25 Hurlburt St. | Arthur K. Reading,<br>10 Hilliard St. | Reginald Mott Hull,<br>48 Concord Ave. | George Stephens,<br>33 Ellery St. | Oliver D. Cleary,<br>103 Otis St. | Carl I. Wilson,<br>881 Mass. Ave. | Edna Lawrence Spencer,<br>9 Pleasant St. | Wayne K. Little,<br>18 Trowbridge St. | George Stevens,<br>33 Ellery St. | Oliver D. Cleary,<br>103 Otis St. | Julius Meyers,<br>417 Green St. | Chas. A. Reynolds,<br>229 Franklin St. | Harry F. Dolan,<br>390 Huron Ave. | Blank |    |
|                   | 31                                  | 33                                    | 31                                    | 32                                     | 29                                | 29                                | 31                                | 1  | 1                                     | 2                                | 3                                 | 1                               | 1                                      | 1                                 | 188   |    |
|                   | 6                                   | 7                                     | 6                                     | 6                                      | 3                                 | 3                                 | 5                                 | 1  | 1                                     | 2                                | 3                                 | 1                               | 1                                      | 1                                 | 0     |    |
|                   | 21                                  | 21                                    | 21                                    | 21                                     | 21                                | 21                                | 21                                |  |                                       |                                  |                                   |                                 |  |                                   | 0     |    |
|                   | 4                                   | 5                                     | 4                                     | 5                                      | 5                                 | 5                                 | 5                                 |  |                                       |                                  |                                   |                                 |  |                                   | 10    |    |
|                   |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       | 28 |
|                   |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       | 43 |
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|                   |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       | 11 |
|                   |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       | 14 |
|                   |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       | 46 |
|                   |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   | 0     |    |
| Grand Totals..... |                                     |                                       |                                       |  |                                   |                                   |                                   |  |                                       |                                  |                                   |                                 |  |                                   |       |    |



|                          | WARD | PRECINCT | Blank |
|--------------------------|------|----------|-------|
| 1.....                   | 1    | 8        | 4     |
| 2 (No ballots cast)..... | 2    | 9        | 2     |
| 3.....                   |      |          |       |
| 4.....                   | 1    |          |       |
| 5.....                   |      |          |       |
| 6.....                   |      |          |       |
| 7.....                   |      |          |       |
| 8.....                   |      |          |       |
| 9.....                   |      |          |       |
| 10.....                  |      |          |       |
| 11.....                  |      |          |       |
| Ward 9 Totals.....       |      |          |       |
| 1.....                   |      |          |       |
| 2.....                   |      |          |       |
| 3.....                   |      |          |       |
| Ward 10 Totals.....      |      |          |       |
| 11.....                  |      |          |       |

PROGRESSIVE PARTY MUNICIPAL PRIMARY, FEBRUARY 17, 1914—Concluded

[illegible]







|       |   |        |     |       |       |     |       |       |       |     |       |       |       |       |     |       |       |     |     |       |       |       |       |       |       |       |       |     |  |
|-------|---|--------|-----|-------|-------|-----|-------|-------|-------|-----|-------|-------|-------|-------|-----|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-----|--|
| 5     | 1 | 307    | 17  | 230   | 55    | 5   | 223   | 23    | 51    | 10  | 366   | 82    | 20    | 242   | 22  | 240   | 76    | 24  | 26  | 181   | 52    | 74    | 195   | 30    | 82    | 145   | 148   | 14  |  |
| 5     | 2 | 324    | 15  | 215   | 86    | 8   | 201   | 22    | 78    | 23  | 410   | 115   | 22    | 240   | 33  | 241   | 112   | 26  | 31  | 196   | 52    | 76    | 218   | 27    | 79    | 145   | 222   | 10  |  |
| 5     | 3 | 382    | 38  | 164   | 173   | 7   | 147   | 52    | 166   | 17  | 516   | 295   | 50    | 129   | 42  | 156   | 292   | 45  | 23  | 217   | 56    | 109   | 216   | 59    | 107   | 103   | 270   | 9   |  |
| 5     | 4 | 323    | 71  | 91    | 160   | 1   | 88    | 48    | 171   | 16  | 446   | 288   | 55    | 83    | 20  | 88    | 285   | 50  | 23  | 170   | 54    | 99    | 168   | 64    | 91    | 50    | 270   | 3   |  |
| T's   |   | 1,336  | 141 | 700   | 474   | 21  | 659   | 145   | 466   | 66  | 1,738 | 780   | 147   | 694   | 117 | 725   | 765   | 145 | 103 | 764   | 214   | 358   | 797   | 180   | 359   | 390   | 910   | 36  |  |
| 6     | 1 | 244    | 33  | 132   | 75    | 4   | 134   | 37    | 65    | 8   | 264   | 65    | 45    | 123   | 31  | 130   | 58    | 45  | 31  | 169   | 14    | 61    | 167   | 13    | 64    | 116   | 118   | 10  |  |
| 6     | 2 | 292    | 37  | 122   | 129   | 4   | 129   | 48    | 104   | 11  | 362   | 144   | 54    | 137   | 27  | 144   | 141   | 55  | 22  | 193   | 31    | 68    | 191   | 33    | 68    | 118   | 166   | 8   |  |
| 6     | 3 | 385    | 32  | 223   | 121   | 9   | 217   | 35    | 115   | 18  | 536   | 187   | 40    | 274   | 35  | 283   | 193   | 37  | 25  | 221   | 46    | 118   | 249   | 33    | 103   | 151   | 215   | 19  |  |
| 6     | 4 | 395    | 52  | 127   | 213   | 3   | 147   | 65    | 169   | 14  | 574   | 327   | 63    | 154   | 30  | 166   | 318   | 65  | 25  | 224   | 46    | 125   | 230   | 47    | 118   | 84    | 298   | 13  |  |
| T's   |   | 1,316  | 154 | 604   | 538   | 20  | 627   | 185   | 453   | 51  | 1,736 | 723   | 202   | 688   | 123 | 723   | 710   | 202 | 101 | 807   | 137   | 372   | 837   | 126   | 353   | 469   | 797   | 59  |  |
| 7     | 1 | 371    | 27  | 196   | 142   | 6   | 177   | 38    | 147   | 9   | 488   | 195   | 42    | 221   | 30  | 241   | 172   | 52  | 23  | 232   | 42    | 97    | 258   | 36    | 77    | 144   | 215   | 12  |  |
| 7     | 2 | 391    | 41  | 237   | 100   | 13  | 224   | 28    | 111   | 28  | 458   | 109   | 49    | 255   | 45  | 246   | 111   | 51  | 56  | 226   | 45    | 120   | 250   | 30    | 111   | 203   | 163   | 25  |  |
| 7     | 3 | 369    | 33  | 129   | 203   | 4   | 119   | 49    | 182   | 19  | 520   | 322   | 64    | 111   | 33  | 123   | 313   | 66  | 28  | 218   | 43    | 108   | 221   | 47    | 101   | 110   | 249   | 10  |  |
| 7     | 4 | 343    | 38  | 159   | 138   | 8   | 152   | 48    | 130   | 13  | 439   | 167   | 62    | 174   | 36  | 171   | 178   | 59  | 31  | 215   | 36    | 92    | 230   | 31    | 82    | 131   | 196   | 16  |  |
| T's   |   | 1,474  | 139 | 721   | 583   | 31  | 672   | 163   | 570   | 69  | 1,915 | 793   | 217   | 761   | 144 | 781   | 774   | 228 | 132 | 891   | 166   | 417   | 959   | 144   | 371   | 588   | 823   | 63  |  |
| 8     | 1 | 352    | 30  | 171   | 147   | 4   | 150   | 43    | 137   | 22  | 531   | 290   | 32    | 193   | 16  |       |       |     |     | 179   | 54    | 119   | 219   | 47    | 86    | 101   | 239   | 12  |  |
| 8     | 2 | 368    | 25  | 143   | 196   | 4   | 127   | 47    | 184   | 10  | 547   | 341   | 39    | 153   | 14  |       |       |     |     | 194   | 58    | 116   | 213   | 67    | 88    | 102   | 260   | 6   |  |
| 8     | 3 | 460    | 14  | 380   | 61    | 5   | 359   | 17    | 61    | 23  | 572   | 82    | 22    | 437   | 31  |       |       |     |     | 253   | 63    | 144   | 312   | 23    | 125   | 306   | 134   | 20  |  |
| T's   |   | 1,180  | 69  | 694   | 404   | 13  | 636   | 107   | 382   | 55  | 1,650 | 713   | 93    | 783   | 61  |       |       |     |     | 626   | 175   | 379   | 744   | 137   | 299   | 509   | 633   | 38  |  |
| 9     | 1 | 393    | 36  | 133   | 221   | 3   | 122   | 50    | 204   | 17  | 622   | 405   | 23    | 220   | 10  |       |       |     |     | 209   | 69    | 115   | 234   | 71    | 88    | 104   | 278   | 11  |  |
| 9     | 2 | 408    | 24  | 211   | 169   | 4   | 204   | 35    | 145   | 24  | 658   | 468   | 26    | 118   | 10  |       |       |     |     | 198   | 85    | 125   | 262   | 58    | 88    | 135   | 260   | 13  |  |
| 9     | 3 | 504    | 29  | 291   | 178   | 6   | 300   | 46    | 140   | 18  | 688   | 312   | 32    | 321   | 23  |       |       |     |     | 273   | 72    | 159   | 313   | 62    | 129   | 184   | 294   | 26  |  |
| T's   |   | 1,305  | 89  | 635   | 568   | 13  | 626   | 131   | 489   | 59  | 1,968 | 1,185 | 81    | 659   | 43  |       |       |     |     | 680   | 226   | 399   | 809   | 191   | 305   | 423   | 832   | 50  |  |
| 10    | 1 | 397    | 27  | 136   | 231   | 3   | 103   | 56    | 222   | 16  | 641   | 440   | 44    | 150   | 7   |       |       |     |     | 216   | 56    | 125   | 215   | 72    | 110   | 66    | 324   | 7   |  |
| 10    | 2 | 369    | 41  | 111   | 212   | 5   | 90    | 59    | 205   | 15  | 580   | 426   | 39    | 106   | 9   |       |       |     |     | 197   | 44    | 128   | 202   | 56    | 111   | 81    | 238   | 50  |  |
| 10    | 3 | 341    | 11  | 274   | 53    | 3   | 264   | 20    | 41    | 16  | 504   | 105   | 14    | 373   | 12  |       |       |     |     | 185   | 64    | 92    | 204   | 35    | 102   | 191   | 132   | 18  |  |
| T's   |   | 1,107  | 79  | 521   | 496   | 11  | 457   | 135   | 468   | 47  | 1,725 | 971   | 97    | 629   | 28  |       |       |     |     | 598   | 164   | 345   | 621   | 163   | 323   | 338   | 694   | 75  |  |
| 11    | 1 | 453    | 41  | 207   | 200   | 5   | 175   | 68    | 182   | 28  | 653   | 331   | 58    | 247   | 17  |       |       |     |     | 272   | 58    | 123   | 280   | 67    | 106   | 133   | 311   | 9   |  |
| 11    | 2 | 479    | 31  | 340   | 105   | 3   | 321   | 45    | 99    | 14  | 731   | 163   | 37    | 514   | 17  |       |       |     |     | 251   | 85    | 143   | 323   | 53    | 103   | 214   | 250   | 15  |  |
| 11    | 3 | 390    | 16  | 343   | 22    | 9   | 317   | 24    | 25    | 24  | 605   | 62    | 15    | 497   | 31  |       |       |     |     | 219   | 80    | 91    | 271   | 23    | 96    | 226   | 145   | 19  |  |
| T's   |   | 1,322  | 88  | 890   | 327   | 17  | 813   | 137   | 306   | 66  | 1,989 | 556   | 110   | 1,258 | 65  |       |       |     |     | 742   | 223   | 357   | 874   | 143   | 305   | 573   | 706   | 43  |  |
| Gr'nd |   |        |     |       |       |     |       |       |       |     |       |       |       |       |     |       |       |     |     |       |       |       |       |       |       |       |       |     |  |
| T's   |   | 12,265 | 966 | 7,206 | 3,907 | 186 | 6,900 | 1,259 | 3,551 | 555 | 6,368 | 6,306 | 1,195 | 8,043 | 824 | 2,863 | 2,535 | 713 | 434 | 7,098 | 1,741 | 3,426 | 7,808 | 1,323 | 3,134 | 5,006 | 6,757 | 502 |  |



VOTES CAST FOR MUNICIPAL OFFICERS

CANDIDATES FOR ALDERMEN

| WARD        | PRECINCT | Edward B. Hines,<br>Prog. | Frank J. McAvoy,<br>Dem. | George Stephens,<br>Citz. | Henry W. Durant,<br>Citz. | Walter Sewell,<br>Citz. | Reginald M. Hull,<br>Citz. | Thomas E. Delehanly,<br>Dem. | John C. Curtin,<br>Dem. | Harry Brooks Adams,<br>Citz. | Clarence H. Poor, Jr.,<br>Citz. | John F. Ollis,<br>Prog. | Berry H. Poehner,<br>Prog. | Charles H. Gaffney,<br>Dem. | Melvin L. Jones,<br>Prog. | Jas. A. A. G. Whaley,<br>Prog. | George F. McCaffrey,<br>Prog. | Joseph J. Reed,<br>Dem. | Joseph E. Wall,<br>Prog. |
|-------------|----------|---------------------------|--------------------------|---------------------------|---------------------------|-------------------------|----------------------------|------------------------------|-------------------------|------------------------------|---------------------------------|-------------------------|----------------------------|-----------------------------|---------------------------|--------------------------------|-------------------------------|-------------------------|--------------------------|
|             |          |                           |                          |                           |                           |                         |                            |                              |                         |                              |                                 |                         |                            |                             |                           |                                |                               |                         |                          |
| 1.....      | 1.....   | 10                        | 199                      | 8                         | 8                         | 9                       | 6                          | 188                          | 182                     | 12                           | 7                               | 11                      | 7                          | 203                         | 6                         | 6                              | 12                            | 193                     | 7                        |
|             | 2.....   | 53                        | 202                      | 25                        | 23                        | 16                      | 17                         | 196                          | 199                     | 24                           | 18                              | 20                      | 13                         | 224                         | 13                        | 20                             | 14                            | 209                     | 14                       |
| Totals..... |          | 33                        | 401                      | 33                        | 31                        | 25                      | 23                         | 384                          | 381                     | 36                           | 25                              | 31                      | 20                         | 427                         | 19                        | 26                             | 26                            | 402                     | 21                       |
| 2.....      | 1.....   | 35                        | 260                      | 26                        | 23                        | 20                      | 25                         | 258                          | 248                     | 26                           | 19                              | 21                      | 19                         | 254                         | 20                        | 17                             | 17                            | 261                     | 18                       |
|             | 2.....   | 20                        | 202                      | 22                        | 22                        | 19                      | 22                         | 201                          | 186                     | 21                           | 19                              | 13                      | 8                          | 230                         | 8                         | 10                             | 13                            | 205                     | 9                        |
| Totals..... |          | 55                        | 462                      | 48                        | 45                        | 39                      | 47                         | 459                          | 434                     | 47                           | 38                              | 34                      | 27                         | 484                         | 28                        | 27                             | 30                            | 466                     | 27                       |
| 3.....      | 1.....   | 17                        | 205                      | 13                        | 12                        | 9                       | 13                         | 190                          | 181                     | 12                           | 14                              | 13                      | 13                         | 197                         | 14                        | 14                             | 18                            | 197                     | 19                       |
|             | 2.....   | 15                        | 155                      | 14                        | 6                         | 9                       | 9                          | 152                          | 139                     | 11                           | 6                               | 10                      | 8                          | 173                         | 8                         | 8                              | 7                             | 174                     | 12                       |
|             | 3.....   | 26                        | 242                      | 33                        | 29                        | 27                      | 23                         | 234                          | 217                     | 30                           | 22                              | 21                      | 14                         | 227                         | 19                        | 19                             | 22                            | 237                     | 19                       |
|             | 4.....   | 18                        | 199                      | 28                        | 22                        | 19                      | 20                         | 204                          | 187                     | 21                           | 22                              | 14                      | 10                         | 194                         | 16                        | 15                             | 18                            | 199                     | 19                       |
| Totals..... |          | 76                        | 801                      | 88                        | 69                        | 64                      | 65                         | 780                          | 724                     | 74                           | 64                              | 58                      | 45                         | 791                         | 57                        | 56                             | 65                            | 807                     | 69                       |
| 4.....      | 1.....   | 12                        | 131                      | 18                        | 17                        | 16                      | 18                         | 124                          | 118                     | 15                           | 12                              | 15                      | 9                          | 132                         | 8                         | 9                              | 8                             | 125                     | 10                       |
|             | 2.....   | 44                        | 141                      | 64                        | 53                        | 58                      | 30                         | 145                          | 143                     | 56                           | 64                              | 41                      | 34                         | 129                         | 38                        | 34                             | 40                            | 135                     | 34                       |
|             | 3.....   | 41                        | 143                      | 64                        | 61                        | 61                      | 62                         | 131                          | 131                     | 67                           | 56                              | 42                      | 20                         | 133                         | 28                        | 27                             | 23                            | 128                     | 26                       |
|             | 4.....   | 54                        | 128                      | 100                       | 79                        | 90                      | 82                         | 131                          | 131                     | 86                           | 80                              | 38                      | 31                         | 98                          | 48                        | 34                             | 31                            | 124                     | 38                       |
| Totals..... |          | 151                       | 543                      | 246                       | 210                       | 225                     | 222                        | 531                          | 523                     | 224                          | 212                             | 136                     | 94                         | 492                         | 122                       | 104                            | 102                           | 512                     | 108                      |



|                   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |     |       |       |
|-------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|-------|-------|
| 5.....            | 29    | 188   | 56    | 45    | 46    | 47    | 186   | 195   | 51    | 46    | 22    | 21    | 168   | 23    | 27    | 26  | 207   | 26    |
| 5.....            | 30    | 174   | 81    | 68    | 66    | 70    | 183   | 180   | 70    | 60    | 21    | 25    | 145   | 26    | 30    | 27  | 183   | 23    |
| 5.....            | 45    | 112   | 193   | 180   | 171   | 181   | 117   | 117   | 177   | 179   | 44    | 38    | 82    | 45    | 35    | 38  | 111   | 43    |
| 5.....            | 57    | 48    | 197   | 191   | 185   | 194   | 59    | 53    | 202   | 195   | 44    | 34    | 35    | 54    | 34    | 31  | 52    | 36    |
| Totals.....       | 161   | 522   | 527   | 484   | 468   | 492   | 545   | 545   | 500   | 480   | 131   | 118   | 430   | 148   | 126   | 122 | 553   | 128   |
| 6.....            | 46    | 108   | 57    | 50    | 50    | 53    | 110   | 110   | 60    | 56    | 36    | 35    | 121   | 37    | 42    | 39  | 114   | 37    |
| 6.....            | 55    | 92    | 122   | 101   | 111   | 106   | 110   | 101   | 103   | 103   | 38    | 35    | 95    | 47    | 42    | 42  | 103   | 49    |
| 6.....            | 51    | 181   | 121   | 106   | 107   | 112   | 211   | 184   | 112   | 98    | 27    | 32    | 148   | 52    | 33    | 36  | 177   | 36    |
| 6.....            | 65    | 93    | 219   | 201   | 204   | 203   | 112   | 99    | 210   | 205   | 50    | 43    | 80    | 81    | 54    | 55  | 98    | 53    |
| Totals.....       | 217   | 474   | 519   | 458   | 472   | 474   | 543   | 494   | 485   | 462   | 151   | 145   | 444   | 217   | 171   | 172 | 492   | 175   |
| 7.....            | 48    | 167   | 140   | 122   | 126   | 129   | 174   | 159   | 134   | 129   | 38    | 28    | 131   | 42    | 27    | 28  | 160   | 35    |
| 7.....            | 60    | 199   | 98    | 81    | 86    | 78    | 212   | 204   | 81    | 77    | 48    | 49    | 174   | 51    | 58    | 46  | 205   | 43    |
| 7.....            | 73    | 89    | 196   | 184   | 191   | 191   | 97    | 94    | 182   | 179   | 52    | 59    | 71    | 69    | 43    | 51  | 97    | 48    |
| 7.....            | 50    | 123   | 127   | 115   | 119   | 116   | 131   | 128   | 120   | 108   | 45    | 40    | 106   | 56    | 39    | 44  | 124   | 45    |
| Totals.....       | 231   | 578   | 561   | 502   | 522   | 514   | 614   | 585   | 517   | 493   | 183   | 176   | 482   | 218   | 167   | 169 | 586   | 171   |
| 8.....            | 48    | 121   | 181   | 160   | 155   | 153   | 121   | 121   | 158   | 159   | 31    | 28    | 108   | 34    | 28    | 29  | 136   | 32    |
| 8.....            | 52    | 84    | 243   | 205   | 202   | 203   | 89    | 95    | 201   | 202   | 35    | 26    | 74    | 47    | 29    | 25  | 83    | 37    |
| 8.....            | 25    | 319   | 79    | 54    | 57    | 51    | 323   | 325   | 54    | 48    | 19    | 16    | 206   | 25    | 17    | 23  | 314   | 21    |
| Totals.....       | 125   | 524   | 503   | 419   | 414   | 407   | 533   | 541   | 413   | 409   | 85    | 70    | 473   | 106   | 74    | 77  | 533   | 90    |
| 9.....            | 51    | 85    | 258   | 246   | 233   | 235   | 90    | 95    | 238   | 244   | 26    | 22    | 72    | 41    | 26    | 21  | 95    | 28    |
| 9.....            | 34    | 149   | 205   | 204   | 188   | 200   | 152   | 161   | 182   | 199   | 24    | 17    | 136   | 25    | 20    | 16  | 158   | 23    |
| 9.....            | 55    | 229   | 179   | 181   | 159   | 179   | 224   | 284   | 168   | 165   | 35    | 33    | 185   | 40    | 29    | 25  | 220   | 32    |
| Totals.....       | 140   | 463   | 642   | 631   | 580   | 614   | 466   | 540   | 588   | 608   | 85    | 72    | 393   | 106   | 75    | 62  | 473   | 83    |
| 10.....           | 77    | 71    | 262   | 236   | 235   | 243   | 78    | 74    | 224   | 226   | 43    | 40    | 64    | 51    | 30    | 30  | 82    | 33    |
| 10.....           | 77    | 72    | 229   | 216   | 215   | 208   | 66    | 72    | 198   | 206   | 50    | 35    | 62    | 42    | 38    | 28  | 78    | 40    |
| 10.....           | 32    | 227   | 68    | 50    | 50    | 52    | 233   | 234   | 52    | 47    | 14    | 17    | 191   | 20    | 22    | 21  | 229   | 24    |
| Totals.....       | 186   | 376   | 550   | 502   | 500   | 503   | 377   | 380   | 474   | 479   | 107   | 92    | 317   | 113   | 90    | 79  | 389   | 97    |
| 11.....           | 134   | 139   | 201   | 184   | 186   | 175   | 147   | 155   | 194   | 175   | 59    | 50    | 111   | 66    | 54    | 43  | 142   | 48    |
| 11.....           | 94    | 275   | 114   | 97    | 104   | 96    | 281   | 305   | 104   | 91    | 35    | 28    | 260   | 34    | 41    | 34  | 273   | 29    |
| 11.....           | 46    | 294   | 31    | 24    | 25    | 21    | 300   | 308   | 28    | 26    | 16    | 16    | 277   | 15    | 21    | 14  | 281   | 14    |
| Totals.....       | 274   | 708   | 346   | 305   | 315   | 292   | 728   | 768   | 326   | 292   | 110   | 94    | 648   | 115   | 116   | 91  | 696   | 91    |
| Grand Totals..... | 1,649 | 5,846 | 4,072 | 3,656 | 3,624 | 3,653 | 5,960 | 5,915 | 3,684 | 3,562 | 1,111 | 9,535 | 5,381 | 1,249 | 1,032 | 995 | 5,909 | 1,060 |

CANDIDATES FOR ALDERMEN—Concluded

| WARD   | PRECINCT    | John P. Good,<br>Dem. | Charles A. Vaughan,<br>Prog. | William Danehy,<br>Dem. | Thomas Kay,<br>Prog. | Hugh E. Mullen,<br>Dem. | John M. Murray,<br>Prog. | Charles F. Murphy,<br>Dem. | Peter J. Nelligan,<br>Dem. | Arthur K. Reading,<br>Citz. | Carl I. Wilson,<br>Citz. | John L. McDonald,<br>Dem. | Oliver D. Clary,<br>Citz. | Nelson C. Metcalf,<br>Citz. | Hugh J. McGinness,<br>Prog. | Alton H. Hathaway,<br>Citz. | William Y. Cole,<br>48 Winthrop St. | Chester L. Erickson,<br>66 Oxford St. | Robert H. O'Neill,<br>6 Lamson Place | Blank |
|--------|-------------|-----------------------|------------------------------|-------------------------|----------------------|-------------------------|--------------------------|----------------------------|----------------------------|-----------------------------|--------------------------|---------------------------|---------------------------|-----------------------------|-----------------------------|-----------------------------|-------------------------------------|---------------------------------------|--------------------------------------|-------|
| 1..... | 1.....      | 187                   | 16                           | 175                     | 6                    | 193                     | 6                        | 184                        | 177                        | 6                           | 12                       | 183                       | 61                        | 11                          | 17                          | 5                           |                                     |                                       |                                      | 393   |
| 1..... | 2.....      | 194                   | 12                           | 206                     | 10                   | 197                     | 14                       | 182                        | 182                        | 16                          | 20                       | 193                       | 63                        | 20                          | 23                          | 21                          |                                     |                                       |                                      | 578   |
|        | Totals..... | 381                   | 28                           | 381                     | 16                   | 390                     | 20                       | 366                        | 359                        | 22                          | 32                       | 376                       | 124                       | 31                          | 40                          | 26                          |                                     |                                       |                                      | 971   |
| 2..... | 1.....      | 242                   | 18                           | 237                     | 15                   | 253                     | 20                       | 232                        | 241                        | 15                          | 15                       | 229                       | 89                        | 24                          | 26                          | 22                          |                                     |                                       |                                      | 561   |
| 2..... | 2.....      | 177                   | 8                            | 181                     | 6                    | 215                     | 6                        | 189                        | 175                        | 14                          | 19                       | 172                       | 67                        | 15                          | 12                          | 19                          |                                     |                                       |                                      | 641   |
|        | Totals..... | 419                   | 26                           | 418                     | 21                   | 468                     | 26                       | 421                        | 416                        | 29                          | 34                       | 401                       | 156                       | 39                          | 38                          | 41                          |                                     |                                       |                                      | 1,202 |
| 3..... | 1.....      | 176                   | 11                           | 176                     | 14                   | 184                     | 17                       | 181                        | 168                        | 13                          | 13                       | 174                       | 42                        | 9                           | 21                          | 9                           |                                     |                                       |                                      | 413   |
| 3..... | 2.....      | 148                   | 7                            | 144                     | 6                    | 154                     | 12                       | 152                        | 135                        | 11                          | 10                       | 145                       | 41                        | 9                           | 16                          | 8                           |                                     |                                       |                                      | 495   |
| 3..... | 3.....      | 223                   | 14                           | 205                     | 12                   | 231                     | 17                       | 201                        | 207                        | 21                          | 24                       | 206                       | 60                        | 22                          | 24                          | 23                          |                                     |                                       |                                      | 536   |
| 3..... | 4.....      | 191                   | 19                           | 186                     | 16                   | 197                     | 17                       | 173                        | 185                        | 23                          | 18                       | 188                       | 45                        | 15                          | 17                          | 17                          |                                     |                                       |                                      | 438   |
|        | Totals..... | 738                   | 51                           | 711                     | 48                   | 766                     | 63                       | 707                        | 695                        | 68                          | 65                       | 713                       | 188                       | 55                          | 78                          | 57                          |                                     |                                       |                                      | 1,882 |
| 4..... | 1.....      | 118                   | 10                           | 129                     | 9                    | 123                     | 12                       | 105                        | 116                        | 13                          | 16                       | 114                       | 27                        | 15                          | 8                           | 12                          |                                     |                                       |                                      | 378   |
| 4..... | 2.....      | 137                   | 31                           | 130                     | 38                   | 140                     | 34                       | 117                        | 133                        | 57                          | 54                       | 127                       | 78                        | 58                          | 38                          | 60                          |                                     |                                       |                                      | 392   |
| 4..... | 3.....      | 141                   | 21                           | 129                     | 29                   | 133                     | 27                       | 113                        | 131                        | 55                          | 57                       | 123                       | 85                        | 52                          | 24                          | 60                          |                                     |                                       |                                      | 436   |
| 4..... | 4.....      | 139                   | 38                           | 124                     | 28                   | 118                     | 44                       | 94                         | 132                        | 82                          | 74                       | 117                       | 91                        | 75                          | 35                          | 81                          |                                     | 1                                     |                                      | 500   |
|        | Totals..... | 535                   | 100                          | 512                     | 104                  | 514                     | 117                      | 429                        | 512                        | 207                         | 201                      | 481                       | 284                       | 200                         | 105                         | 213                         |                                     |                                       | 1                                    | 1,706 |

|                   |       |       |       |     |     |       |       |       |       |       |       |       |       |       |       |       |        |
|-------------------|-------|-------|-------|-----|-----|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 5.....            | 197   | 22    | 186   | 22  | 114 | 189   | 20    | 155   | 192   | 44    | 45    | 172   | 96    | 50    | 31    | 51    | 496    |
| 5.....            | 180   | 17    | 178   | 18  | 114 | 167   | 30    | 123   | 175   | 64    | 53    | 163   | 114   | 77    | 25    | 72    | 646    |
| 5.....            | 122   | 39    | 110   | 38  | 35  | 101   | 39    | 75    | 117   | 176   | 176   | 100   | 211   | 179   | 37    | 189   | 585    |
| 5.....            | 68    | 40    | 57    | 36  | 47  | 53    | 38    | 33    | 58    | 184   | 189   | 49    | 197   | 184   | 35    | 186   | 445    |
| Totals.....       | 567   | 118   | 531   | 114 | 155 | 310   | 127   | 386   | 542   | 468   | 463   | 481   | 618   | 490   | 128   | 498   | 2,172  |
| 6.....            | 105   | 34    | 112   | 35  | 35  | 106   | 51    | 94    | 102   | 45    | 54    | 106   | 68    | 45    | 33    | 42    | 491    |
| 6.....            | 99    | 47    | 106   | 40  | 40  | 100   | 53    | 86    | 93    | 103   | 103   | 100   | 123   | 102   | 39    | 109   | 451    |
| 6.....            | 188   | 39    | 180   | 33  | 33  | 167   | 39    | 149   | 173   | 101   | 99    | 161   | 132   | 97    | 30    | 99    | 724    |
| 6.....            | 100   | 51    | 100   | 47  | 47  | 92    | 48    | 78    | 107   | 195   | 193   | 93    | 204   | 193   | 55    | 193   | 471    |
| Totals.....       | 492   | 171   | 498   | 155 | 155 | 465   | 191   | 407   | 475   | 444   | 449   | 460   | 527   | 437   | 157   | 443   | 2,140  |
| 7.....            | 173   | 40    | 162   | 32  | 32  | 156   | 32    | 136   | 168   | 128   | 127   | 153   | 148   | 133   | 32    | 132   | 512    |
| 7.....            | 217   | 47    | 199   | 39  | 39  | 195   | 41    | 167   | 197   | 66    | 66    | 268   | 93    | 60    | 41    | 68    | 747    |
| 7.....            | 103   | 72    | 93    | 42  | 42  | 92    | 49    | 77    | 94    | 172   | 169   | 93    | 176   | 170   | 41    | 189   | 461    |
| 7.....            | 145   | 47    | 127   | 40  | 40  | 115   | 43    | 97    | 127   | 105   | 97    | 132   | 126   | 93    | 65    | 106   | 672    |
| Totals.....       | 638   | 206   | 581   | 153 | 153 | 558   | 165   | 477   | 586   | 471   | 459   | 586   | 543   | 456   | 179   | 495   | 2,392  |
| 8.....            | 137   | 33    | 128   | 25  | 25  | 120   | 29    | 94    | 129   | 148   | 144   | 116   | 167   | 148   | 25    | 176   | 453    |
| 8.....            | 107   | 29    | 90    | 25  | 25  | 85    | 27    | 75    | 99    | 197   | 187   | 92    | 198   | 190   | 23    | 203   | 481    |
| 8.....            | 350   | 22    | 327   | 16  | 16  | 307   | 18    | 277   | 306   | 46    | 46    | 323   | 78    | 41    | 18    | 56    | 763    |
| Totals.....       | 594   | 84    | 545   | 66  | 66  | 512   | 74    | 446   | 534   | 391   | 377   | 531   | 443   | 379   | 66    | 435   | 1,700  |
| 9.....            | 113   | 32    | 92    | 28  | 28  | 83    | 23    | 65    | 115   | 232   | 219   | 87    | 230   | 227   | 19    | 238   | 414    |
| 9.....            | 170   | 25    | 153   | 18  | 18  | 145   | 23    | 133   | 166   | 194   | 181   | 149   | 202   | 187   | 24    | 204   | 421    |
| 9.....            | 251   | 29    | 228   | 31  | 31  | 213   | 36    | 182   | 253   | 164   | 157   | 210   | 194   | 171   | 31    | 174   | 798    |
| Totals.....       | 534   | 86    | 473   | 77  | 77  | 441   | 82    | 380   | 534   | 590   | 557   | 446   | 626   | 585   | 74    | 616   | 1,633  |
| 10.....           | 115   | 33    | 79    | 34  | 34  | 76    | 29    | 65    | 112   | 215   | 219   | 66    | 225   | 256   | 27    | 258   | 459    |
| 10.....           | 87    | 42    | 69    | 33  | 33  | 65    | 32    | 55    | 89    | 202   | 205   | 66    | 205   | 228   | 27    | 243   | 479    |
| 10.....           | 246   | 23    | 233   | 14  | 14  | 223   | 19    | 182   | 234   | 41    | 43    | 205   | 56    | 50    | 15    | 97    | 487    |
| Totals.....       | 448   | 98    | 381   | 81  | 81  | 364   | 80    | 302   | 435   | 458   | 467   | 337   | 486   | 534   | 69    | 598   | 1,425  |
| 11.....           | 161   | 56    | 148   | 46  | 46  | 155   | 48    | 105   | 182   | 164   | 175   | 137   | 192   | 185   | 42    | 232   | 712    |
| 11.....           | 304   | 28    | 296   | 30  | 30  | 273   | 24    | 231   | 315   | 89    | 75    | 261   | 122   | 94    | 32    | 114   | 686    |
| 11.....           | 301   | 14    | 301   | 11  | 11  | 280   | 12    | 248   | 318   | 19    | 17    | 275   | 44    | 25    | 14    | 36    | 618    |
| Totals.....       | 766   | 98    | 745   | 87  | 87  | 688   | 84    | 584   | 815   | 272   | 267   | 673   | 358   | 304   | 88    | 382   | 2,016  |
| Grand Totals..... | 6,112 | 1,066 | 5,776 | 922 | 922 | 5,676 | 1,029 | 4,905 | 5,903 | 3,420 | 3,371 | 5,488 | 4,353 | 3,510 | 1,022 | 3,804 | 19,239 |



CANDIDATES FOR COMMON COUNCIL

Ward One

|                  | Crowley | Lehan | Blank |
|------------------|---------|-------|-------|
| Precinct 1 ..... | 223     | 217   | 52    |
| Precinct 2 ..... | 228     | 253   | 101   |
| Totals .....     | 451     | 470   | 153   |

Ward Two

|                  | McCarthy | McMenimen | Mullen | Blank |
|------------------|----------|-----------|--------|-------|
| Precinct 1 ..... | 113      | 246       | 236    | 97    |
| Precinct 2 ..... | 51       | 220       | 224    | 77    |
| Totals .....     | 164      | 466       | 460    | 174   |

Ward Three

|                  | McNamara | Whalen | Bulger | Blank |
|------------------|----------|--------|--------|-------|
| Precinct 1 ..... | 209      | 195    | 0      | 100   |
| Precinct 2 ..... | 181      | 170    | 0      | 87    |
| Precinct 3 ..... | 243      | 266    | 0      | 125   |
| Precinct 4 ..... | 217      | 226    | 1      | 96    |
| Totals .....     | 850      | 857    | 1      | 408   |

Ward Four

|                  | Crowley | Gertson | Hayman | Kelleher | S. J. Lee | W. H. Lee | Blank |
|------------------|---------|---------|--------|----------|-----------|-----------|-------|
| Precinct 1 ..... | 137     | 13      | 10     | 135      | 9         | 21        | 39    |
| Precinct 2 ..... | 157     | 62      | 44     | 150      | 32        | 46        | 43    |
| Precinct 3 ..... | 166     | 57      | 28     | 147      | 26        | 57        | 39    |
| Precinct 4 ..... | 140     | 88      | 38     | 132      | 48        | 78        | 54    |
| Totals .....     | 600     | 220     | 120    | 564      | 115       | 202       | 175   |

CANDIDATES FOR COMMON COUNCIL—Continued  
Ward Five

|                  | Browne | Grant | Mulhern | Shannon | Stratton | Young | Blank |
|------------------|--------|-------|---------|---------|----------|-------|-------|
| Precinct 1 ..... | 48     | 26    | 194     | 218     | 49       | 16    | 63    |
| Precinct 2 ..... | 79     | 30    | 185     | 196     | 62       | 21    | 75    |
| Precinct 3 ..... | 191    | 42    | 130     | 114     | 182      | 50    | 55    |
| Precinct 4 ..... | 204    | 43    | 53      | 48      | 178      | 69    | 51    |
| Totals .....     | 522    | 141   | 562     | 576     | 471      | 156   | 224   |

Ward Six

|                  | Autle | Bradbury | Gliesman | Lamb | Parker, Jr. | Robinson | Blank |
|------------------|-------|----------|----------|------|-------------|----------|-------|
| Precinct 1 ..... | 115   | 53       | 34       | 135  | 52          | 42       | 57    |
| Precinct 2 ..... | 109   | 110      | 49       | 112  | 104         | 45       | 57    |
| Precinct 3 ..... | 190   | 127      | 34       | 189  | 109         | 33       | 88    |
| Precinct 4 ..... | 97    | 239      | 48       | 104  | 207         | 38       | 57    |
| Totals .....     | 511   | 529      | 165      | 540  | 472         | 158      | 259   |

Ward Seven

|                  | Alphen | Carruth, 2d | Lang | Murphy | Wright | Blank |
|------------------|--------|-------------|------|--------|--------|-------|
| Precinct 1 ..... | 173    | 103         | 66   | 177    | 140    | 83    |
| Precinct 2 ..... | 213    | 103         | 38   | 223    | 122    | 83    |
| Precinct 3 ..... | 102    | 184         | 84   | 90     | 186    | 92    |
| Precinct 4 ..... | 130    | 155         | 71   | 119    | 119    | 92    |
| Totals .....     | 618    | 545         | 259  | 609    | 567    | 350   |

Ward Eight

|               | Edwards | King | McCarthy | Terry | Cole | Erickson | Blank | Neighbor |
|---------------|---------|------|----------|-------|------|----------|-------|----------|
| Precinct 1 .. | 132     | 115  | 144      | 98    | 54   | 57       | 103   | 1        |
| Precinct 2 .. | 124     | 144  | 117      | 139   | 28   | 26       | 158   | 0        |
| Precinct 3 .. | 373     | 51   | 354      | 50    | 0    | 0        | 92    | 0        |
| Totals ..     | 629     | 310  | 615      | 287   | 82   | 83       | 353   | 1        |

CANDIDATES FOR COMMON COUNCIL—Concluded

Ward Nine

|               | Austin | Boyeson | McDermod | Monahan | Nash, Jr. | Apted | Sullivan | Blank |
|---------------|--------|---------|----------|---------|-----------|-------|----------|-------|
| Precinct 1 .. | 112    | 46      | 208      | 87      | 256       | 1     | 0        | 78    |
| Precinct 2 .. | 174    | 32      | 168      | 170     | 209       | 0     | 0        | 63    |
| Precinct 3 .. | 303    | 43      | 136      | 285     | 173       | 0     | 1        | 67    |
| Totals ..     | 589    | 121     | 512      | 540     | 638       | 1     | 1        | 208   |

Ward Ten

|                  | Apted | Cunningham | Kirby | McGurn | Price | Howie | Blank |
|------------------|-------|------------|-------|--------|-------|-------|-------|
| Precinct 1 ..... | 393   | 249        | 109   | 57     | 1     | 1     | 84    |
| Precinct 2 ..... | 245   | 260        | 83    | 72     | 0     | 0     | 78    |
| Precinct 3 ..... | 72    | 77         | 198   | 237    | 0     | 0     | 98    |
| Totals .....     | 610   | 586        | 390   | 366    | 1     | 1     | 260   |

Ward Eleven

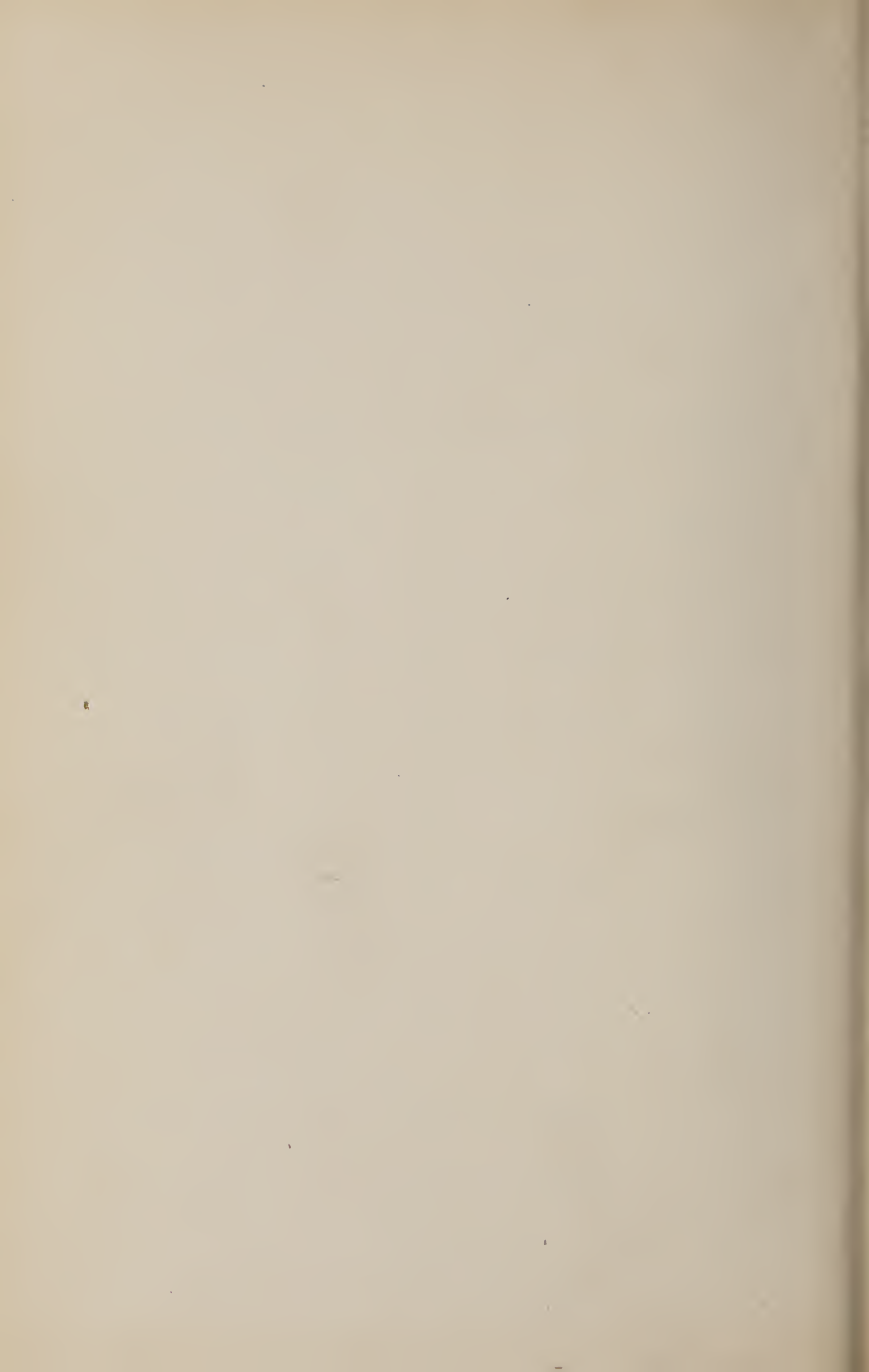
|                  | Foley | Lynch | Long | Blank |
|------------------|-------|-------|------|-------|
| Precinct 1 ..... | 221   | 224   | 1    | 460   |
| Precinct 2 ..... | 339   | 355   | 0    | 264   |
| Precinct 3 ..... | 303   | 349   | 0    | 128   |
| Totals .....     | 863   | 928   | 1    | 852   |



NUMBER OF REGISTERED MALE VOTERS BY WARDS, FROM 1897 TO 1914

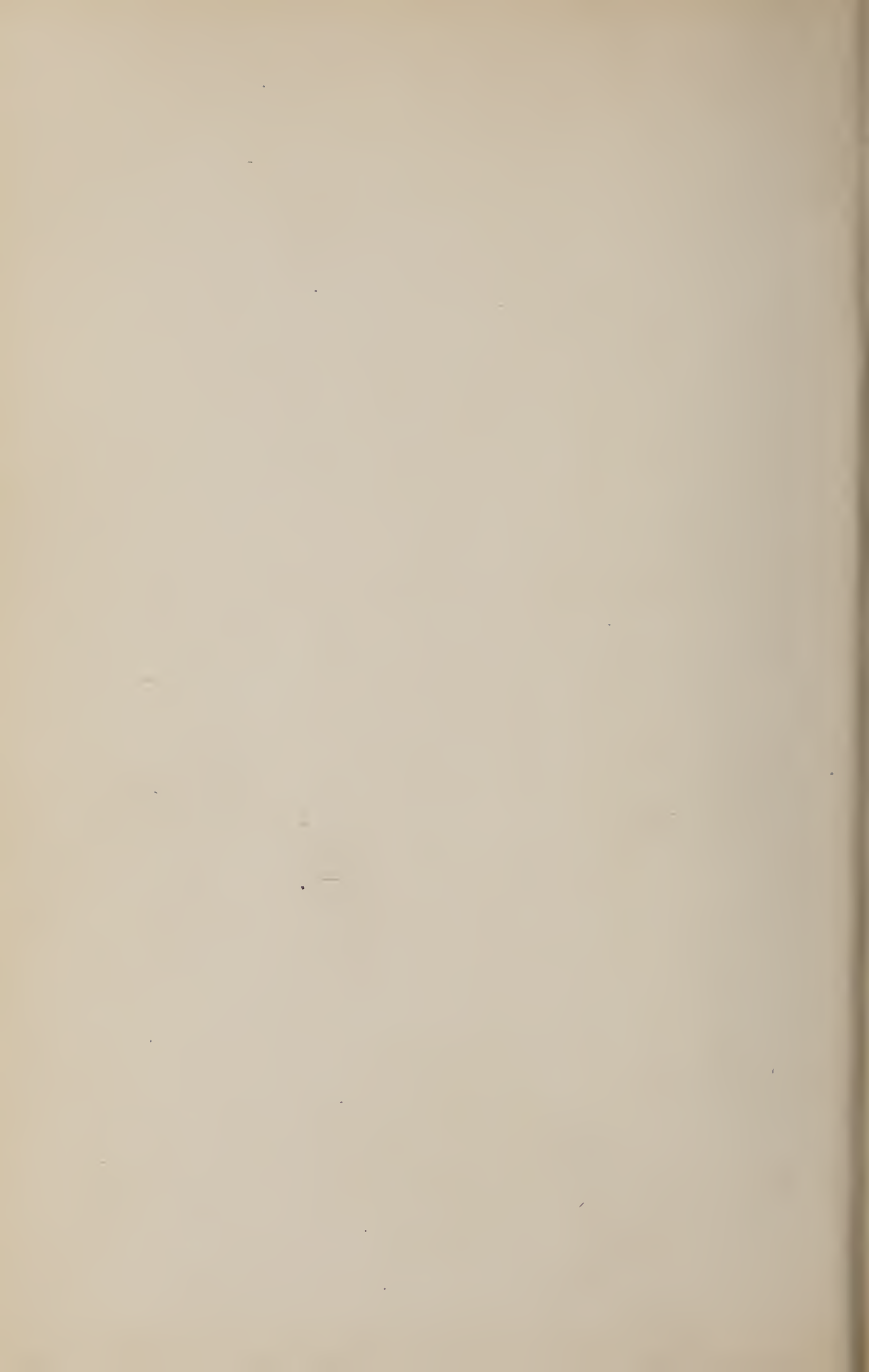
| WARD    | November<br>1897 | December<br>1897 | November<br>1898 | December<br>1898 | November<br>1899 | December<br>1899 | November<br>1900 | December<br>1900 | November<br>1901 | December<br>1901 | November<br>1902 | December<br>1902 | November<br>1903 | December<br>1903 | November<br>1904 | December<br>1904 |
|---------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 1.....  | 2,362            | 2,397            | 2,264            | 2,333            | 2,257            | 2,302            | 2,492            | 2,554            | 2,491            | 2,566            | 878              | 999              | 980              | 1,036            | 1,007            | 1,044            |
| 2.....  | 3,797            | 3,854            | 3,847            | 3,949            | 3,973            | 4,039            | 4,492            | 4,530            | 4,364            | 4,461            | 912              | 1,008            | 1,011            | 1,168            | 1,112            | 1,152            |
| 3.....  | 1,885            | 1,934            | 2,004            | 2,060            | 1,950            | 2,039            | 2,081            | 2,093            | 1,885            | 1,939            | 1,608            | 1,700            | 1,690            | 1,797            | 1,840            | 1,929            |
| 4.....  | 3,000            | 3,036            | 2,877            | 2,979            | 2,740            | 2,861            | 3,003            | 3,099            | 2,980            | 3,083            | 1,519            | 1,621            | 1,621            | 1,763            | 1,726            | 1,809            |
| 5.....  | 1,686            | 1,716            | 1,703            | 1,776            | 1,680            | 1,750            | 2,007            | 2,091            | 2,198            | 2,244            | 1,564            | 1,622            | 1,645            | 1,708            | 1,715            | 1,764            |
| 6.....  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1,567            | 1,747            | 1,749            | 1,930            | 1,931            | 2,024            |
| 7.....  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1,753            | 1,899            | 1,834            | 1,938            | 1,946            | 2,052            |
| 8.....  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1,336            | 1,510            | 1,540            | 1,650            | 1,682            | 1,723            |
| 9.....  |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1,334            | 1,428            | 1,455            | 1,520            | 1,507            | 1,549            |
| 10..... |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1,099            | 1,142            | 1,132            | 1,157            | 1,173            | 1,199            |
| 11..... |                  |                  |                  |                  |                  |                  |                  |                  |                  |                  | 1,384            | 1,463            | 1,494            | 1,560            | 1,586            | 1,629            |
| Totals  | 12,730           | 12,937           | 12,695           | 13,097           | 12,600           | 12,991           | 14,075           | 14,367           | 13,918           | 14,293           | 14,954           | 16,139           | 16,151           | 17,167           | 17,225           | 17,874           |

| WARD    | November<br>1905 | December<br>1905 | November<br>1906 | December<br>1906 | November<br>1907 | December<br>1907 | November<br>1908 | March<br>1909 | November<br>1909 | March<br>1910 | November<br>1910 | March<br>1911 | December<br>1911 | March<br>1912 | December<br>1912 | March<br>1913 | November<br>1913 | March<br>1914 |
|---------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|------------------|---------------|
| 1.....  | 995              | 1,037            | 977              | 978              | 903              | 926              | 921              | 947           | 862              | 908           | 831              | 873           | 826              | 829           | 784              | 820           | 740              | 766           |
| 2.....  | 1,038            | 1,066            | 989              | 997              | 924              | 940              | 950              | 973           | 923              | 951           | 889              | 920           | 901              | 917           | 895              | 931           | 843              | 873           |
| 3.....  | 1,797            | 1,834            | 1,467            | 1,495            | 1,460            | 1,560            | 1,521            | 1,584         | 1,509            | 1,597         | 1,428            | 1,530         | 1,487            | 1,541         | 1,483            | 1,565         | 1,438            | 1,508         |
| 4.....  | 1,680            | 1,777            | 1,320            | 1,370            | 1,349            | 1,494            | 1,357            | 1,437         | 1,362            | 1,461         | 1,369            | 1,455         | 1,419            | 1,444         | 1,395            | 1,458         | 1,358            | 1,413         |
| 5.....  | 1,750            | 1,825            | 1,792            | 1,802            | 1,718            | 1,756            | 1,722            | 1,776         | 1,696            | 1,734         | 1,738            | 1,797         | 1,765            | 1,789         | 1,830            | 1,871         | 1,803            | 1,856         |
| 6.....  | 1,973            | 2,084            | 1,948            | 1,962            | 1,859            | 1,935            | 1,868            | 1,933         | 1,821            | 1,889         | 1,780            | 1,864         | 1,880            | 1,938         | 1,841            | 1,900         | 1,842            | 1,906         |
| 7.....  | 1,941            | 2,038            | 1,958            | 1,993            | 1,869            | 1,937            | 1,907            | 1,967         | 1,787            | 1,850         | 1,785            | 1,834         | 1,756            | 1,832         | 1,877            | 1,924         | 1,858            | 1,935         |
| 8.....  | 1,625            | 1,713            | 1,627            | 1,631            | 1,597            | 1,655            | 1,613            | 1,638         | 1,493            | 1,576         | 1,474            | 1,510         | 1,519            | 1,559         | 1,711            | 1,748         | 1,606            | 1,650         |
| 9.....  | 1,505            | 1,547            | 1,542            | 1,555            | 1,515            | 1,557            | 1,565            | 1,607         | 1,548            | 1,596         | 1,596            | 1,617         | 1,636            | 1,649         | 1,747            | 1,784         | 1,761            | 1,787         |
| 10..... | 1,195            | 1,223            | 1,184            | 1,193            | 1,172            | 1,202            | 1,196            | 1,231         | 1,195            | 1,248         | 1,255            | 1,273         | 1,318            | 1,327         | 1,424            | 1,446         | 1,423            | 1,453         |
| 11..... | 1,636            | 1,696            | 1,607            | 1,628            | 1,537            | 1,570            | 1,493            | 1,535         | 1,493            | 1,534         | 1,542            | 1,569         | 1,460            | 1,633         | 1,730            | 1,794         | 1,736            | 1,783         |
| Totals  | 17,135           | 17,840           | 16,411           | 16,604           | 15,903           | 16,532           | 16,113           | 16,628        | 15,689           | 16,344        | 15,687           | 16,242        | 15,977           | 16,458        | 16,717           | 17,241        | 16,408           | 16,930        |









City of Cambridge

Massachusetts

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ANNUAL REPORT

OF THE

SCHOOL COMMITTEE

AND THE

SUPERINTENDENT OF SCHOOLS

1913







# REPORT OF THE SCHOOL COMMITTEE

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*To the Citizens of Cambridge:*

## SALARIES OF TEACHERS

One of the most important problems which confronted the School Committee of 1913-14 was that of increasing the salaries of the teachers. The school teachers, realizing that the School Committee was powerless to help them, petitioned the Legislature to increase the appropriation of the School Committee for this purpose. At this time, under the provisions of the City Charter, the City of Cambridge was limited to \$12 on each \$1,000 of taxable property for current expenses. This sum was divided by law as follows: \$3 to the Department of Public Safety for policemen and firemen; \$5 to the School Committee, and the balance to the City Council for the other departments of the city.

In justice to the school teachers who presented their petition to the Legislature, in justice to the Legislature which granted the petition subject to the referendum, in justice to the citizens of Cambridge who ratified the action of the Legislature by a vote of 3 to 1, in justice to the School Committee which voted to increase the teachers' salaries, we submit for your consideration the following statement:—

The masters of the grammar schools and the teachers of the High and Latin Schools received larger salaries forty years ago than they received at the time they presented their petition to the Legislature. The teachers of the grade schools have received since 1874 only one increase in salary. The School Committee of 1911, Prof. Beale, President, increased the salaries of the grade teachers approximately one dollar per week. The Committee of 1911, to raise sufficient funds to increase the salaries of the grade teachers approximately one dollar per week, was compelled to practice that kind of economy which is not for the best interests of the public schools. The Committee of 1911 made the following changes:—

1. The five-year course at the Cambridge Latin School was changed to four years.

2. The Cambridge Latin School and the English High School were consolidated into a single school under one master.

3. The age of admission to the primary school was raised from five years to six years.

4. Pupils were graduated from the grammar school in February as well as in June.

5. A plan of promotion three times a year was put into operation in the grades.

6. The kindergarten teachers were required to teach two sessions per day.

This increase of one dollar per week, dated from September 1, 1911, to March 31, 1912, added approximately \$10,000 to the yearly fixed charges for salaries. The report of President Beale, pages 9-10-11, shows how the necessary funds were raised to meet this increased expense:

“For at least two years the increase of salaries of the grade teachers has been earnestly desired by the Committee and the Superintendent, but it seemed impossible to grant such an increase until the Committee was assured by experience that it could safely find the funds to meet the increased expense. By several economies, and particularly by an increase in efficiency of the teaching force, and a consequent diminution in the expense of instruction per pupil, and by raising the age of entrance to the grades to six years, these funds were assured, and on June second the Committee voted a new scale of salaries. According to the new scale, the ordinary maximum salary of teachers in the grade schools is \$750 a year, an increase of \$50 over the old scale. This is not a large increase, nor one which at all satisfied the desire of the Committee, but it seemed as large as could safely be made. The salaries paid in Cambridge schools, while larger than those paid in many of the smaller cities in the neighborhood, are still very small in comparison with the salaries paid in Boston, Brookline and Newton; and WE MUST STILL CONTINUE TO RELY ON THE DEVOTION AND ENTHUSIASM OF OUR TEACHERS RATHER THAN ON THE ATTRACTIVENESS OF THE SALARY TO SECURE THE BEST INSTRUCTION IN OUR SCHOOLS.

“As one item in the economies necessary to secure this desirable result, the School Committee felt obliged to increase the classroom work of the kindergarten teachers. The teachers in the kindergartens have, before this year, taught for one session only during the day. The Committee anticipated an increase in the number of pupils in the



kindergartens during this year, and felt that if a great increase in expenditure for instruction were to be avoided, it would be necessary for the teachers to teach two sessions. This was accordingly provided for, and during the present year the kindergartens have contained a very much greater number of children with a smaller teaching force. This is, of course, a hardship on the kindergarten teachers, in that it involves an increase in work which they are obliged to do, but after all, it involves no greater number of hours of work on their part than on the part of the primary teachers."

The Committee of 1912 took office April 1, 1912. The majority of this Committee considered many of the changes introduced by the Committee of 1911 not for the best interests of the school system, but the Committee of 1912 was confronted with the problem of raising approximately seventeen thousand dollars to meet the increase in salaries of the grade teachers from April 1, 1912, to March 31, 1913. To this end the Committee of 1912 contented itself with making only two important changes:—

1. The age of admission to the primary school was restored to five years.

2. Kindergarten teachers were required to teach only one session daily. Mr. Michael E. Fitzgerald, the new Superintendent of Schools, giving his expert opinion that "the kindergarten teacher who gives for three hours her fullest measure of physical strength and intellectual ability to a class of children from four to five years of age will have exhausted her teaching powers for the day."

On January 28, 1913, Chapter 20 of the Acts of 1913 was approved, taking twenty-five cents per \$1,000 of taxable property from the City Council for the Department of Public Safety for the purpose of increasing the salaries of the policemen and firemen. When the above-mentioned petition of the teachers came up before a Committee of the Legislature, the City Solicitor, on behalf of the City Council, objected to the granting of the petition on the one ground that the City Council could not maintain the city departments within its appropriation if any additional amounts were taken from the City Council. The City Solicitor stated that he had no objections to the granting of the petition of the teachers, if the \$12 limit were abolished, so that the appropriation of the School Committee would not be increased at the expense of the appropriation of the City Council. At this time there was a bill before the Legislature to abolish the \$12 tax limit and permit each City Council, after a public hearing, to fix its own tax limit.



Further discussion on the petition of the teachers was postponed to await the outcome of this bill to abolish the tax limit of \$12 on cities.

May 28, 1913, Chapter 719 of the Acts of 1913, was approved and the \$12 tax limit was abolished. This Act provided that "within ninety days after the passage of this Act the City Council shall give a public hearing in regard to establishing a tax limit for that city."

June 14, 1913, Chapter 804 of the Acts of 1913 was approved, subject to the Referendum. This Act provided: That the "appropriation of the School Committee be increased twenty-five cents per one thousand dollars of taxable property for the year ending March 31, 1914; fifty cents for the year ending March 31, 1915; seventy-five cents for the year ending March 31, 1916, and for each year thereafter one dollar, to be estimated by taking the average amount of taxable property during the three preceding years."

July, 1913, the City Council gave a public hearing in accordance with the provisions of Chapter 719 of the Acts of 1913, to fix a tax limit. Having judicial knowledge that the hearing before the Committee of the Legislature on the petition of the teachers was postponed for the purpose of awaiting the outcome of the bill to abolish the tax limit, and knowing that there was a possibility that the citizens in November would approve the petition of the teachers, the City Council, notwithstanding, made no attempt to increase the tax rate for 1913. Therefore, when the citizens of Cambridge, in November, by a vote of 3 to 1, approved Chapter 804 of the Acts of 1913, and the School Committee, complying with the will of the Legislature, and with the will of the people, voted an appropriation of twenty-five cents on each \$1,000 of taxable property for the purpose of increasing the teachers' salaries, the City Council had provided no funds for this increase in teachers' salaries.

At a special meeting held January 17, 1914, the Committee adopted the following resolution:—

"Whereas, Chapter 804 of the Acts of 1913 provides that the School Committee shall appropriate for the financial year ending on the thirty-first day of March, 1914, a sum not exceeding \$5.25 on each \$1,000 of taxable property of the city, to be estimated by taking the average amount of taxable property during the three preceding years, and

"Whereas, Section 2 of said Act provides that the additional amounts authorized to be expended to wit: 25 cents on each \$1,000 as aforesaid shall be expended by the School Committee for the purpose

of increasing the compensation of the teachers in the public schools of the city, and

“Whereas, This Act as provided in Section 3 of said Act was accepted by a majority of the voters of the City of Cambridge voting thereon at the State Election held November 5, 1913, by a vote of 7,279 to 2,443, and

“Whereas the School Committee at a meeting held December 10, 1913, voted that the Board do now appropriate the sum of \$28,044.51 to be expended in accordance with the provisions of Chapter 804 of the Acts of 1913 for the purpose of increasing the compensation of teachers in the public schools of Cambridge, and

“Whereas, At a meeting held January 14, 1914, the School Committee unanimously passed this appropriation over the veto of His Honor the Mayor, therefore

“Be it resolved, That the schedule of salaries prepared by Mr. Edwin S. Morse entitled Schedule B be adopted by the Board.”

The above resolution was unanimously adopted on a roll call.

The President of the Committee directed the agent to annex to the payroll a statement that the payroll be paid from the additional 25 cents per \$1,000 assessed valuation in accordance with the unanimous vote of the School Committee passed January 17, 1914. This statement was annexed to the payroll for the express purpose of preventing the said payroll being paid out of the balance of the regular appropriation—otherwise the City Auditor and City Treasurer would be justified in paying the said payroll out of the regular appropriation, and the teachers would receive their increase in salaries out of their regular salaries, and the School Committee would have a deficit of \$28,000 at the end of the year. Mayor Barry, City Auditor Thurston and City Treasurer Good admitted before a committee of the teachers that they would have paid the increase in teachers' salaries out of the regular appropriation if it had not been for this statement.

The City Auditor refused to approve the said payroll, assigning as one of the principal reasons for his disapproval that the City Council had first to make an appropriation before the School Committee could increase the teachers' salaries. The School Committee contended that under the provisions of the City Charter the School Committee appropriated its own money.

The school teachers engaged counsel to bring a petition for a writ of mandamus in the Supreme Court to compel the City Auditor and



His Honor the Mayor to approve the said payroll, and the City Treasurer to pay it.

At the request of the President of the School Committee, His Honor the Mayor called a conference at his office of the heads of the various departments to consider ways and means of raising this sum of \$28,000 and thus prevent the city being involved in a lawsuit with its teachers, and also save a burden of \$28,000 being placed on the taxpayers, a burden which, at maturity, would amount to \$36,000. The teachers awaited the result of this conference before bringing their petition for a writ of mandamus. The President of the School Committee offered, on behalf of the School Committee, to provide \$20,000 if His Honor the Mayor and the City Council would co-operate by raising the balance of \$8,000. The President offered, on behalf of the Committee, to release the Otis School to the City Council, the sale of which would provide more than \$10,000 and to appropriate \$10,000. The President stated at this conference that, as Chairman of the Committee on Finance, he had economized in every department since the people ratified the action of the Legislature, in November, to provide this \$10,000. Mayor Barry refused the offer, stating that the only way the city could provide the necessary \$8,000 was by discharging employees in the various city departments; that the balance of the appropriation of the City Council was sufficient only to pay salaries.

The President of the School Committee, the Superintendent of Schools and Mr. Dallinger, counsel for the teachers, informed the committee of teachers the result of the conference; then the teachers brought a petition for a writ of mandamus in the Supreme Court to compel His Honor the Mayor and the City Auditor to approve the payroll and the City Treasurer to pay it. The Supreme Court ordered that a writ of mandamus be issued, and that His Honor the Mayor and the City Auditor approve the payroll and the City Treasurer pay said payroll. These city officials at once complied with the order of the Court, and the teachers received their increase in salaries.

The city raised the necessary funds to pay the increase in teachers' salaries by issuing bonds to the sum of \$28,000, which, at maturity, will amount to \$36,000.

The new maximum salaries provided for in said Section B will go into effect April 1, 1917; the teachers will receive approximately an increase of \$65 each year until the said maximum is reached. The following table shows the present maximum compared with the maximum of April 1, 1917:—



## HIGH SCHOOL

|                                     | Maximum<br>April 1, 1913 | Maximum<br>April 1, 1917 |
|-------------------------------------|--------------------------|--------------------------|
| Head Master .....                   | \$3,000                  | \$3,240                  |
| Masters .....                       | 2,000                    | 2,280                    |
| Heads of departments, males .....   | 1,800                    | 2,040                    |
| Instructors .....                   | 1,500                    | 1,800                    |
| Teachers .....                      | 1,200                    | 1,500                    |
| Heads of departments, females ..... | 1,000                    | 1,380                    |
| Teachers .....                      | 950                      | 1,260                    |

## TRADE SCHOOL

|                            |         |         |
|----------------------------|---------|---------|
| Principal .....            | \$1,296 | \$1,380 |
| Heads of departments ..... | 1,008   | 1,068   |
| Teachers .....             | 804     | 1,008   |

## WELLINGTON TRAINING SCHOOL

|                   |         |         |
|-------------------|---------|---------|
| Master .....      | \$2,800 | \$3,000 |
| Supervisors ..... | 1,000   | 1,260   |

## ELEMENTARY SCHOOLS

|                           |         |         |
|---------------------------|---------|---------|
| Masters .....             | \$2,300 | \$2,640 |
| Submasters .....          | 1,500   | 1,800   |
| Masters' assistants ..... | 900     | 1,140   |
| Eighth Grade .....        | 804     | 1,068   |
| Teachers .....            | 750     | 1,008   |

## KINDERGARTENS

|                           |       |       |
|---------------------------|-------|-------|
| Head kindergartners ..... | \$750 | \$996 |
| Assistant teachers .....  | 672   | 864   |

## DIRECTORS, ETC.

|                          |         |         |
|--------------------------|---------|---------|
| Music .....              | \$2,000 | \$2,220 |
| Assistant in music ..... | 850     | 1,068   |
| Art .....                | 2,000   | 2,220   |
| Assistant in art .....   | 850     | 1,068   |
| Sewing .....             | 750     | 1,056   |
| Teachers of sewing ..... | 720     | 996     |
| Manual training .....    | 1,000   | 1,260   |
| Secretaries .....        | 650     | 720     |

In order to show the amount of money expended by the surrounding cities and towns for the support of the public schools as compared with the amount expended for the support of the other departments of the cities and towns, we submit the following table, prepared by the State Board of Education, 77th Report, 1912-1913, page 127. We also submit a table showing the population of the said cities and towns, taken from the United States census of 1910:—

| 1912-1913        | Rank | Amount appropriated for<br>the support of the Public<br>Schools for each \$1,000<br>Valuation | Population |
|------------------|------|---|------------|
| Everett .....    | 58   | \$7.04  | 33,484     |
| Taunton .....    | 109  | 6.29  | 34,259     |
| Chelsea .....    | 112  | 6.21  | 32,452     |
| Woburn .....     | 113  | 6.19  | 15,308     |
| Wakefield .....  | 116  | 6.16  | 11,404     |
| Revere .....     | 134  | 6.04  | 18,219     |
| Malden .....     | 139  | 5.99  | 44,404     |
| Somerville ..... | 140  | 5.98  | 77,236     |
| Arlington .....  | 150  | 5.86  | 11,187     |
| Melrose .....    | 156  | 5.79  | 15,715     |
| Medford .....    | 167  | 5.59  | 23,150     |
| Lexington .....  | 175  | 5.51  | 4,918      |
| Cambridge .....  | 227  | 5.00  | 104,839    |

From this table it can be seen that Cambridge ranks 227 out of 353 other cities and towns of the Commonwealth of Massachusetts in the amount expended for the support of the public schools.

## TENURE OF TEACHERS

The Committee of 1912 passed a vote requesting the superintendent to prepare at his convenience a list of teachers to be placed on tenure, but no further action was taken by the Committee. The Committee of 1913 adopted the following vote on the recommendation of the superintendent at a meeting held May 21, 1913:—

“All teachers, including supervisors and directors, who have served successfully for at least one year in the Cambridge schools, not including the year of service in the Wellington Training School, and who have the approval of the Superintendent, the Assistant Superintendent and the Supervisor of Primary Schools and Kindergartens, shall be placed on tenure during good behavior and efficiency, to take effect on the first day of September next, following the completion of the prescribed length of service.

“Any teacher, supervisor or director failing to secure the approval of the Superintendent, Assistant Superintendent and the Supervisor of Primary Schools and Kindergartens may be placed on probation for one year. Failing to secure approval during this probationary term, she may be dismissed from the service.”

Under this system of tenure, a teacher cannot be removed without a public hearing. This system, according to the State Board of Education, “dispenses with the annual election of experienced and satisfactory teachers; such re-election is even now commonly a mere mat-

ter of form, and is embarrassing to teachers in many cases, and opens the way to unmerited dismissal or discontinuance of service and serves no good purpose."

## SUPERINTENDENT AND ASSISTANT SUPERINTENDENT ELECTED FOR A TERM OF FIVE YEARS

The State Board of Education recommended to the Legislature the adoption of Chapter 384 of the Acts of 1911, which Act was approved May, 1911. While this Act relates to the tenure of office for Superintendents of School Unions, the recommendation of the State Board of Education might well be followed in the election of superintendents of schools in large cities. Boston elects its Superintendent for a term of six years. The State Board of Education recommended that the tenure of office of the Superintendents of School Unions be lengthened and made more secure because:—

1. The scarcity of desirable men for the office of Superintendent of Schools is, in part, due to an insecurity of tenure which the work presents, such as characterizes few other professions.

2. No Superintendent, entering a new community, can in one year make clear his administrative purposes and qualifications. At least two or three years are necessary for this purpose.

3. The School Committee should exercise extreme caution in electing a Superintendent, and, having elected one, it is highly desirable that he should be given free and full opportunity to demonstrate his ability to deal with the situation.

## ATTENDANCE OFFICERS

Forty-five Cambridge boys were in the truant school at the end of the school term for 1912. It cost the city \$2,630.23 for the support of truants for one year from April 1, 1912, to April 1, 1913, and \$788.26 for one year from April 1, 1913, to April 1, 1914.

June 13, 1913, Chapter 779, Acts of 1913 was adopted. This Act provides that children between the ages of fourteen and sixteen years, who are not regularly employed for at least six hours a day, or have not obtained the written permission of the Superintendent of Schools to engage in profitable employment at home, must attend a public day school. This Act approximately raises the school age from fourteen to sixteen years, and materially increases the duties of the attendance



officers. The Committee, believing that an ounce of prevention is worth a pound of cure, appointed an extra attendance officer at a salary of nine hundred dollars a year. At the end of the school term of 1913 there were seven boys in the truant school. Looking at this question from a cold-blooded financial point of view, the appointment of an additional attendance officer was a saving to the city in dollars and cents.

We sincerely trust that when the President of the School Committee of 1914 writes his report he may be able to say that there is not one Cambridge boy in the truant school. We herewith submit the following letters, which are self-explanatory:—

October 1, 1913.

STATE BOARD OF LABOR AND INDUSTRIES.

Gentlemen:—Will you kindly inform me if the new law as to the employment of minors under the age of sixteen years will materially increase the duties of the truant officers? The School Committee will meet this evening to consider the question of the appointment of extra truant officers, and the opinion of your honorable Board will carry great weight with the members in deciding the question whether it is for the best interest of our public schools to appoint an extra truant officer.

Very truly yours,

(Signed) JOHN F. GADSBY,  
*President.*

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STATE BOARD OF LABOR AND INDUSTRIES.

Boston, October 1, 1913.

MR. JOHN F. GADSBY, President of the School Committee, Cambridge,  
Mass.

Dear Sir:—In reply to your letter of this date requesting the opinion of this Board as to whether the statutes of this year will materially increase the duties of the truant officers, I beg to say that Chapter 779 of the Acts of the present year provides that every child between the ages of fourteen and sixteen years who is not regularly employed

for at least six hours per day, or who has not the written permission of the Superintendent of Schools to engage in profitable employment at home, must attend a public day school. This section virtually raises the school age from fourteen to sixteen years in relation to minors who are not regularly employed. In our opinion, it will materially increase the duties of school attendance officers.

In this connection, may I respectfully call your attention to Section 13 of the same chapter, which provides that "the officers hitherto known as truant officers shall hereafter be known as attendance officers, and all laws now or hereafter enforced relative to truant officers shall apply to attendance officers."

I also respectfully call your attention to Section 19 of Chapter 831 of the Acts of the present year, which provides, in effect, that school attendance officers shall hereafter be charged with the enforcement of laws relating to the employment of minors in street trades, they being vested with full power for the purpose.

In our opinion, this section will also add to the duties of the school attendance officers.

Very truly yours,

(Signed) GROVER C. HOYT,  
*Acting Clerk.*

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## SALARIES OF JANITORS

At a meeting of the Committee, November 26, 1913, the school janitors of Cambridge presented a petition asking for a readjustment of the salaries of janitors. The petition contained the statement, "There are many inequalities, according to the present arrangement—some men are getting more than an equal share and others less." The petition of the janitors requested that the scientific salary schedule for janitors in use in Boston, based on the principle of equal pay for equal units of work be adopted.

In this system five factors are used as a basis, viz.:—

1. Cleaning.
2. Heating, Ventilation and Superintendence.
3. Washing of Windows.
4. Care of Yards and Sidewalks.
5. Care of Lawns.

A special committee from the Janitors' Association appeared before the School Committee and contended that the adoption of this new schedule of salaries would not increase the expenses of the School Committee; that the School Committee, by adopting the plan outlined in said petition, especially by using soft coal in place of hard coal, would save sufficient funds to pay the increase in the salaries of the janitors.

Mr. William T. Keough, Business Agent of the School Committee of Boston, also appeared before the Committee and stated that such a system was adopted in Boston in 1904, and has increased the efficiency of the work. Mr. Keough stated that soft coal had been in use in Boston since 1906, and predicted that the saving from the use of soft coal would be almost in itself sufficient to pay the increase called for by the said petition. On the question of smoke nuisance, Mr. Sheridan, janitor of the Harvard School, stated that soft coal had been used at the Harvard School for many years without objection from the teachers or from the citizens who resided near the school. Later it was voted that the Superintendent be instructed to purchase soft coal wherever possible, and report to the Committee the result of the experiment. At a meeting held March 25, 1914, the Superintendent reported that as a result of the experiment sufficient funds were saved to pay the janitors the proposed increase in salaries, and also that no objection had been raised by the teachers or citizens in regard to burning soft coal, in place of hard coal. The Committee unanimously adopted the said schedule of salaries, to take effect from March 1, 1914.

SALARIES OF THE OFFICE FORCE

The report of President Vallyely, 1912, page 20, stated that the "rate of compensation in the office force is the lowest paid to any set of office employees employed by the city." The Committee of 1913 increased the salaries of the office force as follows:—

|                             |       |    |         |
|-----------------------------|-------|----|---------|
| Constantine J. Church ..... | \$900 | to | \$1,500 |
| Althea B. Frost .....       | 840   | "  | 1,008   |
| Mary A. L. Forrest .....    | 600   | "  | 804     |
| John H. Lemon .....         | 700   | "  | 804     |

The Committee delayed making these increases in salaries because of the large deficit on the part of the Committee of 1912. On October



1, 1913, an accounting was taken, showing that the Committee had an unexpended balance estimated by the experts of the department at \$3,000.

On October 1, 1913, Sanford B. Hubbard, Agent of the School Committee, was retired at his own request on a pension.

At a meeting of the Committee held October 1, 1913, the following resolution was unanimously adopted:—

“We have just lost the valuable services of our esteemed agent and secretary, Mr. Sanford B. Hubbard, after a period of twenty-nine years, devoted to the educational interests of the City of Cambridge, first as teacher in the Putnam School from February 1, 1884, to March 1, 1886, when he was appointed agent, and later, in September, 1888, secretary of the School Board, which position he has held since that time.

“His service has been distinguished by a rare devotion to duty and by a conscientious desire to promote the best interests of the schools with the exercise of wise economy. He has labored in this cause night and day with unstinted use of his time and strength, and with ability and perseverance.

“Therefore, we, the School Committee of Cambridge, do hereby express to him our great appreciation of and gratitude for his faithful services to the city, and our regret at the departure of such a valuable public servant to other fields of usefulness.”

Mr. Constantine J. Church, chief clerk of the department, was unanimously elected agent at a salary of \$1500 from October 1, 1913.

At a meeting held January 14, 1914, Daniel M. Lynch was elected clerk at a salary of \$900 from February 1, 1914. Mr. Lynch takes the position formerly filled by Mr. Church.

At a meeting of the Committee held March 25, 1914, Miss Helen C. Butler was appointed telephone operator, because of recent installations of telephones in all the schoolhouses. Under this arrangement the efficiency of the office force has been greatly increased.

## MINIMUM WAGE

We have long been of the opinion that a minimum wage should be established among the janitors of our public schools, and we took up this question with the special committee of the school janitors. This

special committee, at our request, inserted in its petition for increased salaries a request that a minimum wage be established as follows:—

|  |               |
|--|---------------|
| To janitors of schools with four rooms .....   | \$12 per week |
| To janitors of schools with five or six rooms.....   | 14 per week   |
| To janitors of schools with seven or eight rooms.....  | 17 per week   |
| To janitors of schools with larger number of rooms, an amount<br>according to the measurement system of said school. |               |

Under the old system, a janitor was required to begin in the smaller schools at \$12 or \$14 per week and patiently wait for promotion. Many good men were not willing to sacrifice their present positions with private corporations to work for the School Committee under these circumstances. As the Committee fills the better positions by promotions from these smaller schools, it is to the advantage of the Committee to make conditions as attractive as possible for those entering the service.

## FINANCES

The School Committee of 1912 ended the year with a deficit of approximately \$11,000. The question of paying this deficit was very carefully considered by the Committee of 1913. The majority of the Committee believed that bills contracted by a School Committee in excess of the appropriation allowed by law are illegal. The President of the Committee cited the case of the Boston Electric Company vs. City of Cambridge, 163 Mass. page 64. In this case a joint committee of the City Council was authorized by vote of the City Council, "that the Committee on Public Property be authorized to contract for the erection of an English High schoolhouse, in accordance with plans and specifications therefor made by Chamberlain and Whidden, architects, the total cost of said schoolhouse not to exceed the sum of two hundred thousand dollars."

The Public Property Committee, after entering into the contract with A. for the erection of said building, according to said specifications for the said amount, decided that certain additions should be made to the said building and contracted with the plaintiff to furnish electrical appliances for the building.

The Supreme Court held: "The claim of the plaintiff in this case is so meritorious that we regret that the rules of law do not allow a recovery of the amount claimed. The Committee on Public Property executed its authority by making a single contract with A. for the



erection of the whole building. This having been done, its authority under the vote was exhausted. Much less has it the authority to add to the specifications which were expressly referred to in the vote. The plaintiff was bound to ascertain and take notice of the extent and the limitations of the power of the Committee to bind the city." Judgment for the City of Cambridge.

The majority of the Committee, believing that bills contracted by the Committee of 1912 in excess of the appropriation allowed by law were illegal, refused to approve the said bills, and the bills were transmitted to the City Auditor that proper action might be taken for the payment thereof.

The Committee, May 20, 1913, held a special meeting at the office of His Honor the Mayor, and the following was adopted:—"Moved, that the payment of the bills remaining unpaid from 1912-13 be referred to the Mayor to be disposed of by him in his discretion in accordance with the City Charter and City Ordinances."

At a special meeting held June 2, 1913, the following was adopted:—"Ordered, that the School Committee release the authority given to it by an order of the City Council, approved July 8, 1910, authorizing the School Committee to sell the Dana School lot on Center Street and to appropriate the proceeds thereof to the construction of a wing to connect the two buildings of the High and Latin Schools; and that the School Committee abandon the Dana School lot on Center Street for school purposes and release it to the city.

"That the School Committee abandon the Riverside Schoolhouse on Putnam Avenue for school purposes and release it to the city.

"That the School Committee hereby release to the city, whatever balance may remain unexpended of the sum realized by the sale, by the School Committee, of the Holmes School lot on Hilliard Street."

The City Council sold these two lots and applied said money toward the payment of the deficit, leaving a balance of \$5,006.36 to be paid.

By judicious and careful expenditure of the school funds, the Committee of 1913-14 ended the year, not with the predicted deficit of \$40,000, but with a net balance of \$6,786.62. A special meeting was held March 30, 1914, to decide whether this balance should be used to pay the outstanding bills of the Committee of 1912, or should be transferred to the Committee of 1914. A majority of the Committee voted to transfer the balance of \$6,786.62 to the Committee of 1914. Then His Honor the Mayor, the City Auditor, and the City Treasurer, not-



withstanding the vote of the Committee, took the sum of \$5,006.36 from the balance of \$6,786.62 to pay the outstanding bills of the Committee of 1912. Therefore only the sum of \$1,780.26 was transferred to the Committee of 1914.

### CONCLUSION

Cambridge is now paying salaries sufficient to enable it to retain its school teachers after they have acquired that experience in teaching which enables them to perform their best work. Cambridge may now fill vacancies with experienced teachers from the surrounding cities and towns, instead of appointing young non-resident girls who have had no experience in teaching since they were graduated from college or normal school, except the experience gained from one year's training at the Wellington Training School. The school teachers of Cambridge have been placed on tenure and cannot be removed without a public hearing. The Superintendent and the Assistant Superintendent are elected for a term of five years. The janitors have received substantial increases in salary, based on the scientific plan of equal pay for equal units of work. The office force has also received substantial increases in salary. A minimum wage has been established, making conditions as attractive as possible for janitors entering the service.

All these changes have been along the lines of modern educational progress, and with the desire to increase the efficiency of our schools.

Respectfully submitted,

JOHN F. GADSBY,  
*President of the School Committee.*

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IN SCHOOL COMMITTEE,

Cambridge, June 18, 1914.

*Ordered,* That the report of the President of the Board be adopted as the annual report of the School Committee for 1913-1914, and that the same be printed.

JOHN J. MAHONEY,  
*Secretary.*

# REPORT OF THE SUPERINTENDENT

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I submit, herewith, my second annual report, which is the forty-sixth in the series of annual reports by the superintendents. This report is incorporated in the seventy-fourth of the printed reports of the School Board of Cambridge.

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In studying the conditions in the schools, I found that the state of unrest and dissatisfaction was due to several remediable causes. Foremost among these causes were a complicated system of grading and promotion, an uncertainty of tenure of office, inadequate and unevenly apportioned salaries and a want of a settled system of pensions. The elimination of these obstacles to progress has been the principal aim of the year's work.

The grading was simplified first by the formation of steamer classes, so-called, which take care of the children who come to us unable to read or write in English. In the past, these children were put in the first and second grades, although many of them were fourteen or fifteen years of age. Not only is it for the best interests of all the children to make this separation, but it is also a decidedly economical plan. Under a teacher especially fitted for work with these newcomers, they advance rapidly and finish in one year work that has heretofore taken four or five years in the regular grades.

There were in the grades many children who needed special and individual attention on account of temporarily arrested mental growth—children who because of ill-health or of some physical defect could not do the regular grade work.

In order to free the various classrooms of the obstacles to the progress of the forty or more normal children, five special classes were formed in the city and these classes are doing remarkable work which is having a telling effect on the mental growth of the special pupils, some of whom have already been replaced in the regular grades where they are doing the grade work acceptably.



Great care was taken to put these classes in charge of teachers especially qualified for this important work, and willing and anxious to study this class of children, their care and needs. These teachers follow the advice of the most skilful physicians, receive many valuable suggestions from physicians connected with psychopathic hospitals, and hear regularly the Friday afternoon lectures provided for its teachers by the city of Boston, through whose courtesy Cambridge teachers are allowed to attend.

The Open Air School which had been established was clearly inadequate to meet the demands; consequently, three more of these schools were opened, one in East Cambridge, one in North Cambridge and one in the center of the city. These schools have demonstrated their economical as well as educational value and many lives are being saved for usefulness and many homes improved by the proper instruction and training of these children.

A fourth class of schools was found necessary in order to make the way clear for progress in the regular grades. There were in sections of the city many boys and girls who had reached the age and period of unrest, pupils who would not interest themselves in the printed page, who needed another kind of stimulus in order that they might be made happy and contented and kept from truancy. For the boys, a vocational class has been formed, which, although organized but a short time, has already demonstrated the wisdom of its inception. Pupils in this class are doing manual training and shop work; are taught military tactics (setting up drill, etc.); and have lessons in civics, simple shop mathematics and practical work in English. These children will be graduated with credit and will feel that they have completed a successful school course and so will go out into life without the stigma of failure attached to their school career. No pupil assigned to this class has failed to make good.

Educators seek to devise a system of grading and promotion that shall be elastic, giving the bright pupil opportunity to do more than the required work of the grade, yet allowing the average child to maintain the standard of his grade.

To this end we have formed in each of the grades two divisions—an A division doing intensified work and a B division doing only the required or minimum work of the year. With this system a child ready for and desirous of promotion may be advanced from the B division to the A division of any grade or from the A division of any grade to the B division of the next higher grade without omitting any of the fundamental work of either grade. This system is distinctly



superior in two ways: It does away, to a great degree, with the worry and nervous strain which is always attendant on systems of rapid promotion, so-called, and it allows the child a full year under the uninterrupted influence of a good teacher—an element of prime importance. We have labored in forming a new course of study to decide upon a standard for each subject in each grade. We have held meetings with principals and teachers and have agreed upon a minimum amount of work that must be accomplished by each grade.

In September, 1913, a new course of study in English was prescribed for the upper grammar grades. This was the beginning of a plan to reorganize the teaching of English in all its phases throughout the system—a plan undertaken because of the almost universal criticism offered by teachers themselves regarding the actual results obtained from English teaching heretofore. Tests given in April and in May, 1913, in the high school and in the different eighth grades proved that these criticisms were well founded. These tests were given for the purpose of investigating the fundamentals of English only, especially the pupil's ability to write clean-cut sentences and to spell common words. Thirty per cent of the pupils in the freshman class in the high school, and thirty-six per cent of the pupils in the graduating classes of the grammar schools were found to be weak in the above particulars. This test seemed to prove that the grammar school course in English was inefficient in that it attempted much sporadically, and accomplished little, actually. It lacked emphasis on the things most important, and gave opportunity for much work either too ambitious for the pupil's capabilities, or too unimportant to be dwelt upon.

The new course of study was begun, as stated, in the upper grammar grades. It was made out by a committee of grammar school teachers working under the direction of Mr. Mahoney, the Assistant Superintendent of Schools. This committee endeavored to make out an outline that was at the same time definite in aim, clear in its prescriptions, grade by grade, and, most important of all,—not “over the pupil's head,” as has been so often the case in the past. In many respects it was revolutionary, and a few time-honored ideas on English teaching received scant consideration. But a year's try-out has now justified it. Tests given in March, 1914, have shown an almost entire absence of the fundamental weaknesses noted in the papers of 1913.

During the past few months, a committee of fourth and fifth grade teachers have been working with the assistant superintendent, with the object of completing this English course for the grammar

grades. It is expected that the complete outline will be ready for the beginning of another school year.

With a practical course of study and a proper system of promotions, and with teachers on tenure and well-paid, we may look confidently for the good results which must manifest themselves in the Cambridge schools.

## PENMANSHIP

For some months past we have been attempting to reorganize the work in penmanship also. As a first step in this direction, over a year ago four Cambridge schools voluntarily took up the teaching of what is known as the Palmer System, which had already won much success in other Massachusetts cities. These schools were the Ellis, Shepard, Sleeper and Thorndike. In June, 1913, the masters of these schools all went on record as favoring the permanent adoption of this method. In September, 1913, several other schools took up the work, with such attendant success that in April it seemed advisable to adopt it throughout the entire city. It is too early as yet to speak with assurance regarding the outcome of this new departure. Here and there, however, even thus soon, the improvement in the handwriting has been little short of amazing. Whether or not the improvement will be widespread will depend upon the earnestness with which the teachers attempt the work. So far, nothing but the highest praise can be said of their enthusiasm. The Palmer System requires that every teacher secure a diploma signifying that she is equipped to teach penmanship. Although no official demand has been made that this be done, it is a pleasing commentary on the spirit of the teaching force that thirty-one diplomas have been secured by the teachers of Cambridge.

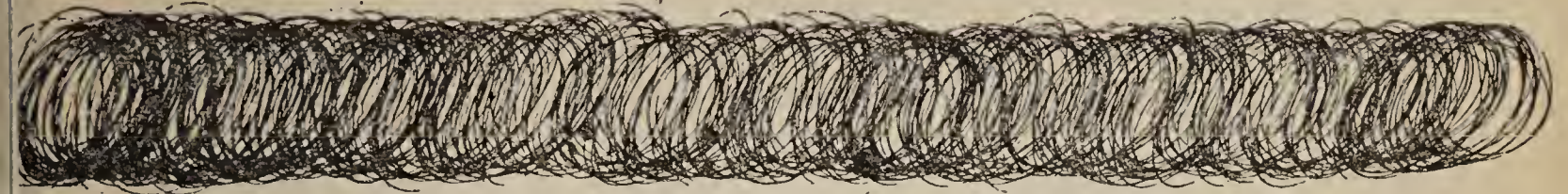
The accompanying plate shows the improvement in the handwriting of a fifth grade girl, from November to June. It is not intimated that such marked improvement has been the usual thing. The sample, however, is but one of scores collected this year showing a very remarkable growth in writing power under the Palmer System.



Grade 5

Bernice F. Davis

Nov. 10, 1913



1. The waters that bound South America are the Caribbean sea on the north the Atlantic ocean on the east and the Pacific ocean on the west.

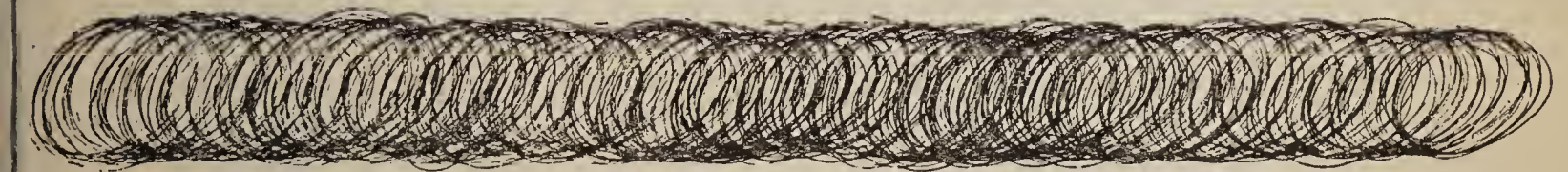
2. The greatest highland is the <sup>Andes</sup> highland. It extends long the western coast of South America.

3. The Pacific ocean slope is between the Pacific ocean and the Andes highland.

Grade 5

Bernice Davis

June 3, 1914



### The Andes

In Colombia the Andes spread like fingers and become lower towards the north coast.

In the Andes in Ecuador there stands a group of noted volcanoes. among which are several small but fertile valleys. The city of Quito is in one



## SPECIAL CLASSES

During the school year, 1913-1914, special classes have been formed in the following schools:—

|                           |                       |
|---------------------------|-----------------------|
| Ellis School .....        | A Prevocational Class |
| Felton School .....       | A Fresh Air Class     |
| Gore School .....         | A Steamer Class       |
| Harvard School .....      | A Special Class       |
| Lawrence Hall Annex ..... | An Ungraded Class     |
| Putnam School .....       | A Prevocational Class |
| Reed School .....         | A Fresh Air Class     |
| Shepard School .....      | A Special Class       |
| Taylor School .....       | A Special Class       |
| Thorndike School .....    | A Fresh Air Class     |
| Thorndike School .....    | A Prevocational Class |
| Wellington School .....   | A Steamer Class       |

Some idea of the work done in these special classes may be obtained from the following report:

“In September, 1913, a class for non-English speaking pupils was opened in the Wellington School. Up to the time of this report, April 1, 1914, forty-six pupils have been admitted. Nineteen of these children came from Armenia, twelve from Russia, nine from Portugal, one from Italy, one from Lithuania, two from Poland, and two from Sweden. These pupils, almost without exception, could speak no English on entering. Their ages vary from five to nineteen years. There was, also, a wide range of intellectual ability. While only two could be classed as illiterates, ten were under eight years of age and had had but little schooling. It was thought best to place them in a regular first grade, where they could get the beginnings of English. At the present time these little folks can all speak English in the classroom, and understand it well enough to take directions from their teacher. They are doing the regular work of the first grade and are in line for promotion in June.

“By Christmas time, five of the older boys had so far mastered the difficulties of English as to enter grade seven. They are very diligent workers, attending evening classes as well as the day school. They are looking forward to entering high school in September.

“Two girls, with absolutely no English in September, are doing well in grade four; two pupils have entered grade five; and six are in grade six.

“Those who are still in the ungraded rooms are doing good work. They labor with untiring zeal and by the close of the school year all of them will be in regular classes. One young man who is in his twentieth year, with no previous schooling, entered the class in January.

He has been a persistent worker, mastering one difficulty after another, till now he can read easy English sentences, and make himself understood in our tongue. It is the unanimous testimony of all the teachers who have come in contact with these foreign-born children that it is delightful to work with them, because of their never-tiring zeal and interest in all that is American. America is to them the land of promise, and they all feel as one boy expressed it soon after his arrival. Pointing to our flag in the hall, he said with halting tongue, but with a face aglow with happiness, 'American flag—freedom!' "

## STATISTICS COMPARING THE NUMBER OF BACKWARD PUPILS IN ONE BUILDING DURING THE YEARS 1909-1913

### PUPILS OVER AGE SEPTEMBER, 1913

#### FOURTH GRADE

| <i>Division B</i> | <i>Division A</i> |
|-------------------|-------------------|
| 2 over 15 years   | 1 over 14 years   |
| 2 over 14 years   | 10 over 12 years  |
| 4 over 12 years   | 7 over 11 years   |
| 3 over 11 years   | 8 over 10 years   |
| 12 over 10 years  |                   |

#### FIFTH GRADE

| <i>Division B</i> | <i>Division A (2 rooms)</i> |
|-------------------|-----------------------------|
| 1 over 14 years   | 3 over 14 years             |
| 2 over 13 years   | 5 over 13 years             |
| 8 over 12 years   | 19 over 12 years            |
| 12 over 11 years  | 20 over 11 years            |

#### SIXTH GRADE

| <i>Division B (2 rooms)</i> | <i>Division A (2 rooms)</i> |
|-----------------------------|-----------------------------|
| 2 over 15 years             | 8 over 14 years             |
| 2 over 14 years             | 17 over 13 years            |
| 19 over 13 years            | 17 over 12 years            |
| 27 over 12 years            |                             |

#### SEVENTH GRADE

| <i>Division B</i> | <i>Division A</i> |
|-------------------|-------------------|
| 1 over 15 years   | 3 over 15 years   |
| 2 over 14 years   | 8 over 14 years   |
| 14 over 13 years  | 17 over 13 years  |

#### EIGHTH GRADE

| <i>Division B</i> | <i>Division A</i> |
|-------------------|-------------------|
| 1 over 16 years   | 2 over 16 years   |
| 2 over 15 years   | 5 over 15 years   |
| 17 over 14 years  | 12 over 14 years  |

NUMBER BACKWARD BY GRADES

|                        | Number Belonging | Over Age |
|------------------------|------------------|----------|
| Fourth Grade .....     | 84               | 49       |
| Fifth Grade .....      | 122              | 70       |
| Sixth Grade .....      | 159              | 92       |
| Seventh Grade .....    | 82               | 45       |
| Eighth Grade .....     | 77               | 39       |
|                        | <hr/>            | <hr/>    |
| Total.....             | 524              | 295      |
| Over age, 56 per cent. |                  |          |

NUMBER BACKWARD BY YEARS

|                                  |     |
|----------------------------------|-----|
| <i>Five years</i> over age ..... | 2   |
| <i>Four years</i> over age ..... | 9   |
| <i>Three years</i> over age..... | 38  |
| <i>Two years</i> over age .....  | 90  |
| <i>One year</i> over age .....   | 156 |

In compiling these statistics, the following ages were taken for each grade as normal:

|                        |          |
|------------------------|----------|
| For Fourth Grade ..... | 9 years  |
| For Fifth Grade .....  | 10 years |
| For Sixth Grade .....  | 11 years |
| For Seventh Grade..... | 12 years |
| For Eighth Grade.....  | 13 years |

REPORT FOR THE YEAR 1909 ALONG THE SAME LINES. NUMBER BACKWARD BY GRADES

|                |                |                    |
|----------------|----------------|--------------------|
| Fourth Grade.  | Over age ..... | 73 (3 rooms)       |
| Fifth Grade.   | Over age ..... | 49 (2 rooms)       |
| Sixth Grade.   | Over age ..... | 67 (4 rooms)       |
| Seventh Grade. | Over age ..... | 25 (2 rooms)       |
| Eighth Grade.  | Over age ..... | 31 (2 rooms)       |
| Ninth Grade.   | Over age ..... | 11 (2 rooms)       |
|                |                | <hr/>              |
| Total.....     |                | 256 or 40 per cent |

A PROVISIONAL OUTLINE FOR WORK IN THE PREVOCATIONAL CLASS

(This work is to be tried with pupils from Grade Eight)

LANGUAGE COURSE

- Object: To teach pupils to express their thoughts in simple, concise language.  
Means: Oral and written accounts of all work planned and accomplished.
1. Directions for the work.
  2. Statements of conditions and requirements.
  3. Experiments and results in science work.
  4. When any work or experiment has been completed, a well-written account of this shall be required of each pupil. (In all written work, careful attention should be given to the writing, spelling, sentence form, and the manner of expressing the thoughts).



## GEOGRAPHY COURSE

- Object: To give the pupils an everyday knowledge of people and things.  
 Means: Study of sources of materials used in the shop.  
 Current events: political, commercial and industrial.  
 (Individual or class collections of specimens should be made. These will stimulate the interest and furnish useful information).  
 Example: Kinds of woods.  
           Wood in its various stages from the tree to the bench.  
           Metals used, various forms, from the mine to the bench.  
           Limestone.  
           Etc.

## HISTORY COURSE

- Object: To prepare pupils for good citizenship.  
 Means: Teach such facts of United States History as are necessary for an understanding of American institutions.  
 Pupils should know concerning:  
 1. Discovery, exploration and settlement of America.  
 2. Struggle against the Indians.  
 3. Struggle by Europeans for the control of America.  
 4. Struggle for Independence and the formation of the United States.  
 5. Struggle for recognition.  
 6. Struggle with secession and slavery.  
 7. Growth: territorial, political, commercial and industrial.

## CIVICS

- Means: The Constitution of the United States. Its three departments of government. Chief officers of these departments and their duties.  
 The Constitution of Massachusetts. Chief officers and their duties.  
 The Cambridge Charter. Chief officers and their duties.  
 Citizens: kinds and duties.  
 Voters: qualifications, registration.  
 Current events: elections, conventions, etc.

## DRAWING

- Object: The making and reading of working drawings.  
 To teach lettering of drawings and ordinary sign making.  
 To teach the proper decoration of products of the shop.

## ARITHMETIC

- Object: To give pupils a thorough knowledge of and drill in the four operations.  
 To apply this knowledge to such business problems as come to them in their work.  
 Means: Daily drill in rapid addition.  
           Daily drill in use of business fractions, mental and written.  
           Finding the amount of material needed for all work.  
           Finding the cost of material needed for all work.  
           Finding the cheapest way to use material.  
           Comparison of cost when various kinds of material are used.  
           Finding the amount of waste. What part; or what per cent.  
           Problems in the science work.  
           Any practical problems associated with the work.

## SHOP WORK

*Carpentry*

- Object: To give manual training by learning the use of tools in making *real things* needed.
- Work: To make thirteen pairs of steps to be used in the classrooms for reaching the upper part of the blackboards.  
To make a typewriter table.  
To make apparatus needed in the science work.  
To supply any need in this line as it is discovered.  
To teach the care and sharpening of tools.

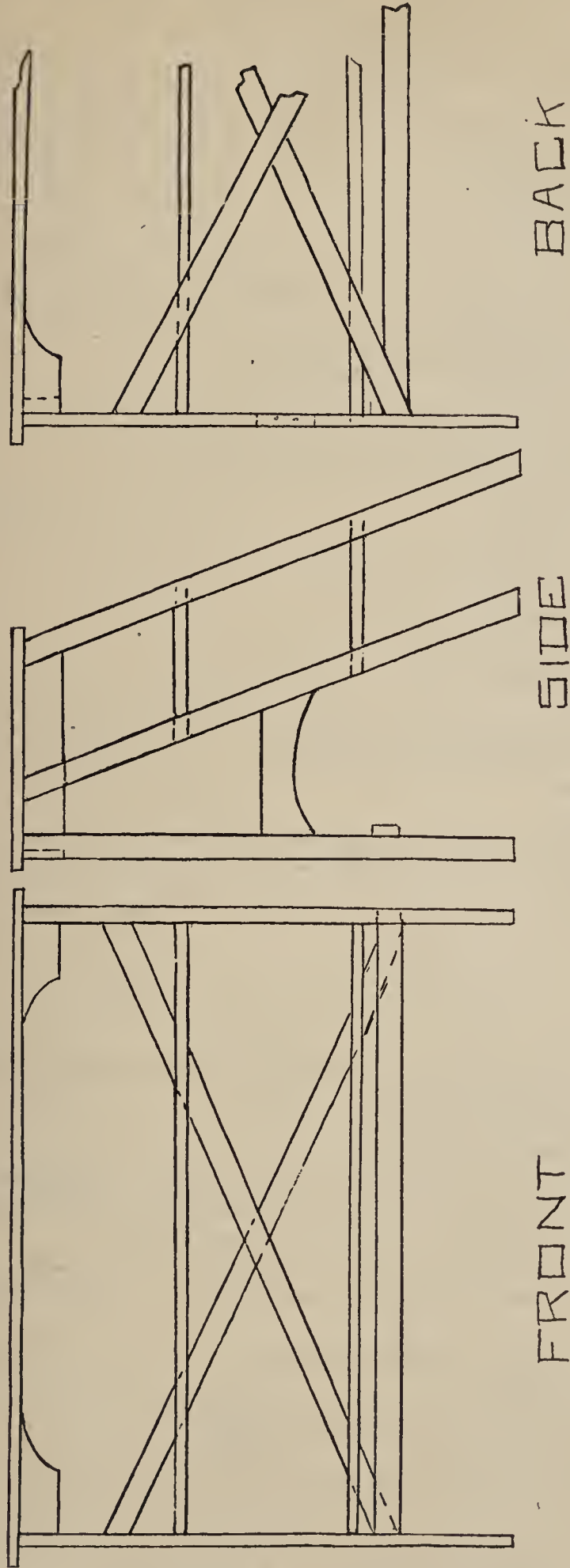
*Cement Construction*

- Object: To teach the uses and method of use of cement.
- Means: By making small models of ordinary objects.  
By making small window boxes, etc., for plants for the schoolroom.

*Sheet Metal Work*

- Object: Manual training.

STEPS FOR BLACKBOARD



$\frac{1}{6}$  ACTUAL SIZE



PHYSICAL TRAINING

"Setting up" drill and games. (Basket ball, punch ball, etc.)  
"Manual of arms," with wooden guns which can be made in the shop.

SCIENCE

Experiments:

1. To find the volume of a solid by immersion in a vessel filled with water.  
Apparatus: Loaded cylinder.  
Overflow cup.  
Catch bucket.  
Spring balance.  
Thread.
2. To find the difference in weight of a solid in the air and immersed in water.  
Apparatus: Loaded cylinder.  
Overflow cup and catch cup.  
Spring balance.  
Thread.
3. To find the weight of water displaced by a floating body.  
Apparatus: Wooden cylinder.  
Overflow cup.  
Catch bucket.  
Spring balance.
4. To find the specific gravity of a solid.  
Apparatus: Roll of sulphur.  
Jar containing water.  
Spring balance.  
Thread.
5. To find the weight a lever will support when the fulcrum is at the center.  
Apparatus: Lever supported at the center.  
Scale pans.  
Weights.
6. To find the law for levers, by varying the length of the power arm and weight arm.

| <i>Power Arm</i> | <i>Weight Arm</i> |
|------------------|-------------------|
| 8                | 2                 |
| 12               | 3                 |
| 4                | 8                 |

By varying the power, to find what weights will be supported with the above power arms and weight arms.

Apparatus: Same as above.

7. To discover the laws for pendulums.  
Apparatus: Pendulums of different lengths, weights and materials.
  1. Compare the time necessary for a vibration of pendulums of different weights and materials, but of the same lengths.
  2. Compare the time required for oscillations of different lengths.
  3. Compare the time required for oscillations of pendulums of different lengths.
  4. Compare the number of oscillations in a given time of pendulums 6, 9 and 12 cm. long.
8. To discover the pressure air exerts on all objects.  
Apparatus: Thistle tube with rubber diaphragm.  
Air pump.
9. To discover the reason why a dish can be emptied of water by means of a syphon.  
Apparatus: Jar containing water.  
Dish to catch the water.  
Glass tube with arms of unequal length or rubber tube.

10. To make a barometer and to explain the principle.  
 Apparatus: Glass tube about a yard long, sealed at one end.  
 Small shallow dish.  
 Bottle of mercury.  
 (Mount this tube in position and observe the height of the mercury column. Make a scale).
11. To discover and explain why a lifting pump can raise water.  
 Apparatus: Glass lifting pump.  
 Dish of water.
12. To make a voltaic cell.  
 Apparatus: Small glass jar.  
 Zinc pencil.  
 Strip of copper.  
 Copper sulphate.  
 Compass.  
 Copper wire.  
 (Teacher explains the chemical action that takes place, resulting in an electrical current).
13. To discover what things are attracted by a magnet.  
 Apparatus: U or horseshoe magnet.  
 Pieces of iron (soft), steel, copper, lead, carbon, etc.
14. To make an electro-magnet.  
 Apparatus: Voltaic cell.  
 Insulated copper wire.  
 Wire spike.  
 Empty spool.  
 Pieces of soft iron.
15. To discover when an electric magnet ceases to be a magnet.  
 Apparatus: Same as above.
16. To find the use of the principle of the electro-magnet in the electric bell.  
 Apparatus: Electric bell.  
 Push button.  
 Wire connections.
17. To make a striking bell into a ringing bell, and the reverse.  
 Apparatus: Bell with the regular electrical connections.
18. To apply the principle of the electro-magnet and the push button to the telegraph.  
 Apparatus: To be made from a working drawing in the work shop.  
 Wire and hardware to be furnished.
19. To make apparatus for lighting the gas by electricity.
20. To discover the trouble when an electric bell will not ring. (Conditions have been arranged by the teacher, but pupils are ignorant of the cause).
21. Troubles: Battery too weak. Connections are not complete. (Wires not fastened securely to the binding posts; wire broken under the insulation).  
 Short circuit.  
 Vibrator on bell too close to the magnet.

## LIGHT

### *Experiments:*

1. To find the form, size and position of an image in a plane mirror.  
 Apparatus: Plane mirror.  
 Rectangular block.  
 Measuring stick.  
 Sheet of paper 12 inches by 20 inches.
2. To find the form, size and position of an image in a convex mirror.  
 Apparatus: Convex mirror.  
 Measuring stick.  
 Paper.

3. To find the form, size and position of an image in a concave mirror.  
Apparatus: Concave mirror.  
Measuring stick.  
Paper.  
Pin.  
Two toothpicks.
4. To find the focal length of a lens.  
Apparatus: Lens.  
Small block.  
Meter rod.  
Small cardboard screen.
5. To find the shape and size of a real image formed by a lens.  
Apparatus: Lens.  
Measuring stick.  
Small block.  
Paper.  
Small wire.
6. To find the shape and size of the virtual image formed by a lens.  
Apparatus: Lens.  
Measuring stick.  
Small block.  
Paper.

The results of the above experiments will give an understanding of the principles involved in the use of reflectors, eye glasses, telescopes and microscopes.

HEAT

1. To find out how the building is heated.  
Two systems: direct and indirect.
2. To make a thermometer. To locate the boiling and freezing points.

TIME SCHEDULE FOR THE SPECIAL CLASS

|                                      |                |
|--------------------------------------|----------------|
| Opening exercises .....              | 9.00 to 9.05   |
| Arithmetic .....                     | 9.05 to 9.30   |
| Drawing .....                        | 9.30 to 10.15  |
| Recess with Physical Exercises ..... | 10.15 to 10.30 |
| Shop Work .....                      | 10.30 to 11.45 |
| Science (Laboratory Work) .....      | 1.30 to 2.15   |
| Language .....                       | 2.15 to 2.40   |
| Recess.....                          | 2.40 to 2.55   |
| History and Geography.....           | 2.55 to 3.30   |
| History includes Civics.             |                |
| History alternates with Geography.   |                |



## THE CAMBRIDGE HIGH AND LATIN SCHOOL

*To the Superintendent of Schools:*

I herewith submit my report of the Cambridge High and Latin School for the past year. In it I have mentioned a few things only, but these few seem both important and interesting.

The total registration of the school for the first of April, 1914, was 1,879, while that of April, 1913, was 1,843. This shows a comparatively small increase for the year. As was mentioned in last year's report, both buildings are now being used to very near their full capacity. A normal increase in numbers will soon make it absolutely imperative that we have greater accommodations, if the school is not to be crippled in its work. The uniting of the wings on the Trowbridge Street side would probably solve the problem for a number of years. If these wings could be united by a three-story addition, something like the plan considered several years ago, the work of the school could be greatly extended in some ways. In the addition suggested, the whole third floor was given up to drawing, and especially equipped for that work. At present four hundred pupils are taking drawing and another teacher has been added to the force. There are great possibilities here which we can only touch upon at present. Pupils who have a special talent either for designing or illustrating should have the opportunity to develop that talent while in the public schools. If such an opportunity were offered, they would save time in preparation for later work. With proper accommodations, the school could do a great work in this vocational line. The addition would also make it practicable to assemble frequently the various classes of the school. Every class should meet the head master at least once a week. The addition would enable the pupils to pass from one building to the other on the same floor. At present they must go from one building to the other out-of-doors, which takes much time, and, during the several bad winter months, seems unwise from a health standpoint. Of course, the change would mean a great saving of time in general, and consequently, greater efficiency.

The present registration of the school by courses shows the following: Commercial, 822; College Preparatory, 700; Normal Preparatory, 178; General, 150; Clerical, 26; Special, 3. The commercial course, as before, draws the greatest number. The accommodations for some of this work are very crowded. Nineteen typewriters are being used in a room twenty by twelve. This condition is not conducive to the good health of the pupils, nor to securing the best results.

The greatest need in this department is a rearrangement of rooms used for typewriting purposes. This would involve certain structural changes, but the changes would be permanently useful. It is also desirable that the department should have additional equipment in the way of filing cases, duplicating machines, and other things generally used in first class offices.

Last September a clerical course of two years' length was introduced. Its object was not in any way to be a substitute for the commercial course, but, if possible, to furnish a completer whole in two years than the first two years of our commercial course was doing. About twenty-five pupils take this course. It is too early to pass judgment upon its merits.

The school employment bureau was mentioned in last year's report. That work has been continued with increased usefulness. Since February, 1913, ninety-nine applications for pupil help have been received by Miss Deering, the director of the work. In addition, many other applications have been made to various teachers. One hundred thirty girls have registered as desiring positions, eighty-five since last September. All but forty-three of these have been placed, many several times. The reasons for not placing all are: Some changed their minds about wanting work after getting settled in school and finding that they needed their time for study or home work; quite a number have found places for themselves or through other girls who were so successful that a neighbor wanted them to bring a "girl just like yourself"; a large number of very small girls applied this year, too young to be intrusted with the care of babies; some have not proved themselves sufficiently trustworthy or capable at school to warrant their being placed in positions of responsibility.

Graduates of the commercial department have been placed by the department rather than by the bureau. Of course, many secure positions on their own initiative. About sixty graduated from the department last June. We know that at least fifty-two of them secured employment. An effort is now being made to collect data from commercial graduates of the past two years. It is hoped that these data will not only give us a record of the business experience of the graduates, but also some valuable light upon the practical needs of the department.

The second largest department is the college preparatory. Last September twenty-five entered Harvard; thirteen, Radcliffe (five were admitted who did not enter); one, Boston University; one, Massachusetts Institute of Technology; two, Dartmouth; eight,



Boston College; one, Massachusetts Agricultural College; one, Tufts Medical; three, Wellesley; six, Simmons; three, Smith. Fourteen entered normal schools. In the last three years, thirty-one have taken Harvard or Radcliffe entrance examinations by the new plan of admission. All were successful, giving their school thus far a perfect record in that particular form of test. The records made during the first year in college by students entering from the school bear strong testimony to the excellent instruction received during the preparatory years.

Thanking you for your counsel and support during the year, I am,

Very respectfully yours,

LESLIE L. CLEVELAND,

*Head Master of the Cambridge High and Latin School.*

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## RINDGE TECHNICAL SCHOOL

*To the Superintendent of Schools:*

Dear Sir: During the past year we have seen many interesting changes in the work of the Rindge Technical School, and have developed some very pressing needs. These I should like to discuss at some length.

Probably the greatest progress has been made in the development of the new business course, which was authorized by the School Committee during the first half year, and offered to the boys in February, 1914. Besides a general improvement in the accuracy and usefulness of the work done in the tool and stock rooms, a cost and accounting system has been developed by Mr. H. Gordon Smith of the Harvard Graduate School of Business Administration. This cost system, based upon a careful classification of cost by departments, automatically distributes the costs of each department, making possible a monthly balance sheet, showing how each department has contributed to the total running expense of the school. The great advantage of the system, as installed, is that it furnishes an opportunity for boys to gain experience in real business practice, shop organization and business organization which is coming into great demand in the modern industrial school. Undoubtedly, also, a considerable saving has been made possible by the elimination of waste and the general atten-



tion paid to shop and business systems. Next year, the principles of scientific management should be extended to all of the shop instruction and a planning room should be developed in connection with the mechanical drawing department. This will furnish opportunities for the instruction of a large number of boys in the many and varied functions required to carry on the work. To help in overseeing the work of the boys, we should have the services of an assistant, trained in the system, who would also aid in the further development and application of the work. Such a man need not be a teacher. A recent graduate of the school, who is in touch with the work, should be appointed.

Another line of work which is new and holds great promise for the future is photo-engraving. Through the generosity of the classes of 1913, 1914 and 1915, the science department has been equipped with camera, half-tone screens, arc lamps and other apparatus necessary for the production of zinc etchings and half-tones. One example of the kind of work that can be done by the boys is shown in the cut of a pen and ink sketch of the school buildings which accompanies this report. The training in photo-engraving not only furnishes an opportunity to fit boys for a well-paid and attractive occupation, but makes possible the close correlation of the science, art and printing departments, which is considered so desirable by modern educational experts. To extend this department and ensure its future development, equipment should be purchased now and then, in addition to that furnished by the classes above mentioned. A good copying lens is urgently needed at the present time. In connection with this work, a word of commendation should be given to Mr. Allan B. Croke of Upland Road, Cambridge, who has aided us by valuable advice as well as in more material things.

As the years go by, more and more work is being done by the Rindge Technical School for the school department and for the various schools in the system. The printing department has been extremely serviceable in this direction. To enlarge its usefulness, and to make the printing instruction more valuable, the matter of additional equipment should be taken up at the earliest possible moment. This is an extremely important matter for the work of the evening school, as well as of the day school. Only a moderate amount of additional equipment would make possible the starting of continuation classes for the young men and women in the great printing establishments for which Cambridge is famous. This, again, would be a step in the direction of modern industrial school work.

Again, the work of the trade course needs strengthening and broadening. Never, since the course was started, has the shop work outside of the printing department been properly provided for. It is the right of those boys who must train themselves for early bread winning, that proper instruction in machine shop, wood-working and mechanical drawing be provided for them in the afternoon. The instructors should be men of all-round practical experience. For example, the afternoon machine shop work should be carried on by the head of the department, and a sufficient financial inducement offered to make the work attractive to him. In the same way, our best instructors should be induced to take up the other branches of afternoon trade work. While the expense entailed would be considerable, it would not compare with the amounts expended for trade training by the cities and towns adjacent to Cambridge.

In short, in the important matters of business and shop organization, correlation of departments, the doing of commercial work in the shops, and the development of new and untried lines of work, the school is growing along the lines recommended by the leading experts in industrial education today. To facilitate this work, all we ask is a little greater measure of generosity in the equipment and teachers provided. Given these things, the Rindge Technical School may be kept where it belongs—in the front ranks of the great technical schools of the country.

Very truly yours,

JOHN W. WOOD, JR.,

*Head Master of the Rindge Technical School.*







## THE WELLINGTON TRAINING SCHOOL

The following report of the Wellington Training School for the year beginning January 1, 1913, and ending January 1, 1914, is submitted by Mr. Herbert H. Bates, Master of the school:—

The Wellington Training School for Teachers has been a factor in the educational system of Cambridge since 1884. From that date until the present time its aim has been to give to Cambridge young women who desire to teach and who have made special preparation for the work, an opportunity to gain experience, under conditions favorable to their own success and without prejudice to the interests of their pupils.

It has been truly said that the professional student needs a disciplined mind, trained to hard and systematic work and capable of prolonged concentration. Such discipline comes only from years of scholarly study and to a mind that has to some extent reached a matured condition.

The average student who has completed the preparatory study course is not qualified either in discipline or in maturity to enter upon the practical work of his chosen profession.

Now and then a genius may overlap these bounds without serious difficulty. The more comprehensive and intricate the work demanded by his chosen profession, the greater must be the discipline and maturity of the mind that grapples successfully with it.

The Wellington Training School for Teachers supplements the preparatory study course by a practical working course in the art of teaching, so that the teacher may become master of his subject, of his pupils, of his equipment and of himself, by presenting to his pupils proper causes and occasions for right mental activities along these lines of work. The work of the school is done under the immediate supervision of a master and two supervising assistants, who are held responsible for the instruction and management of the school. For several years the sixth grade has been taught by a graduate of the school.

The special preparation required of all candidates for a position in this school is a graduation from a college approved by the Board, or from one of the state normal schools or from the Boston Normal School.

The required term of service is one year. Teachers are appointed to Class B and remain in this class five months, or until their work

warrants promotion to Class A. Teachers may be excused or dismissed at any time by the superintendent, with the approval of the Board. No teacher is considered a graduate of the school until she has worked in Class A for five months, at least, and has received the approval of the master and of the superintendent as a qualified teacher.

The compensation during the period of service in Class B is at the rate of \$300 per annum, and in Class A it is at the rate of \$400 per annum. No pupil teacher receives a rate of salary higher than that paid to members of Class A during her connection with the school, except those selected to take the sixth year's work. When a pupil teacher has served one year, her term of service terminates, and the city is in no way responsible unless she is asked to remain by the superintendent. Graduates selected to act as substitutes may be paid at the rate of \$510 per annum after one month's service.

Between January 1, 1912, and January 1, 1913, thirty-five young women were admitted to the probation class of the Training School. Of these, seven had graduated from high school and from some college; eighteen from high school and from some normal school; nine from high school and from some kindergarten normal school.

Three of these young women withdrew before completing the course. The remaining thirty-one completed the course and are now teaching, with one exception, in the Cambridge schools. The young woman who is not teaching is studying in Paris.

Such has been the work of the Wellington Training School for Teachers for the year ending January 1, 1914.

Respectfully submitted,

HERBERT H. BATES,

*Master.*

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## KINDERGARTENS

The following account of the kindergartens is submitted by Miss Lewis, the Supervisor of Primary Schools and Kindergartens:—

The kindergartens have passed a happy and successful year. The numbers did not decrease as much as was expected, as many of the parents availed themselves of the privilege of leaving their children in the kindergarten after they were five years old. The program given out each week to the Boston Kindergartners has been generally



followed, and the teachers have given both time and money to fit themselves to meet any new requirements. The industrial work of the children has shown great improvement in both form and coloring.

Emphasis has been placed this year upon story telling with reproduction by the children, with good results. It would be a great advantage if the kindergartens could be furnished with several single copies of the best books of short stories for young children. These could be passed from building to building—each teacher keeping a copy one month. The instinct of children to listen to stories and to narrate and dramatize them is a valuable preparation for the work of the school. The child, already familiar with the best in story and poem, may more readily be taught the mere technique of reading. A lending library of a dozen or more music books would also be a great help; for harmony and rhythm are found to be the most valuable aids in teaching very young children. Because of this fact much time has been given to folk dancing, with excellent results.

If the kindergarten does not formally teach the subjects of the grades, it prepares the child's mind for that teaching. In the words of Madame Otellia Bondy, delegate from Austria to the St. Louis Exposition, "You teach them to love God and all His creations; you teach them to go back to their homes with loving hearts and to honor the glorious star-spangled banner of their native land." Of all this, the thoughtful primary teacher is ready to take advantage. This was abundantly proved by their letters this winter in answer to Miss Fisher's questions in regard to the relation of kindergartens to the primary schools—letters filled with understanding and generous appreciation.

The kindergarten, begun in an ideal environment on Dr. Cannon's veranda, was, late in the fall, most hospitably received and cared for in one of the college buildings. Here it has thrived and now, after a happy year, the children are ready for the first grade whenever a room is provided.

The suggestion of having the first grade pupils return to the kindergarten room occasionally in the afternoon has been followed in some schools with the most gratifying results. All the spontaneity of the children seems to return to them in the absence of formality. The coming year will offer additional opportunities for experiments in this direction.

Respectfully submitted,

MARY A. LEWIS,  
*Supervisor of Primary Schools and Kindergartens.*



## ART DEPARTMENT

The following account of the work in the Art Department is submitted by Mr. Roos, the Director of Drawing:—

A general account of the course in art instruction was made in the report for 1912. Now, through a series of lessons in mechanical drawing, may be explained how one feature of this course promotes the development of the idea of the "City Beautiful."

In the first four grades are given exercises of a simple character in which the pupil acquires considerable skill in making measurements and ruling lines. In grade five the pupil learns to handle compasses and do fairly creditable work in geometrical drawing and partly original designs.

In grades six and seven the pupil learns about plans and elevations. First the whole class draws the same plan, to scale, from black-board illustrations; then each pupil makes notes, measurements and sketches of some room in his own home. Carefully finished drawings are made from the sketches and notes in the regular drawing lessons. Elevation drawings are similarly made from sketches and notes of some building in the pupil's own neighborhood.

The problems of a backyard is next given as a class exercise. Part of this is to be accurately copied from the blackboard. The pupil is required to locate walks, clothes-reel, garbage can, shrubs, flowers, etc. In the eighth grade the subject is extended so as to cover a whole estate. Certain parts of the problem are left for the pupil to dispose of according to his individual taste and power of reasoning.

Cambridge schools were for a number of years alone in having landscape gardening a part of the curriculum and the subject has proven very worthy as an incentive to original efforts in designing. When the problems are properly placed before the children, they work with enthusiasm and the results are uniformly satisfactory.

In the High and Latin School, where one of the drawing teachers makes a specialty of mechanical drawing, the subject is made increasingly interesting by showing elevation or sectional views in connection with the plan. This part of the course includes advanced geometrical and projection drawing, essentials of perspective, the designing of a house or cottage, and designs for interior decoration.

A valuable incentive to this subject would be that of school gardens. May the day be near when every school shall have a big portion of its yard set apart to aid the development of taste and love

for soil cultivation, so as to furnish both example and specimens for the art lessons.

Two noteworthy improvements were granted the department during the year—a room in the high school building for an office and the safe keeping of illustrative material, etc., and cases of lockers for the large drawing room. These much needed conveniences are highly appreciated. The lack of good casts and suitable objects to draw from still remains.

A very desirable adjunct to a high school art course is what might be called a working museum or exhibition room where specimen work may be displayed to aid the class lessons. If space for such exhibits could be arranged in some well-lighted corridor, it would doubtless interest and instruct many pupils who do not find opportunity to enter the art class.

The director of drawing has for a number of years supplied illustrative material in the large drawing room. Mr. Cleveland, the head master of the school, favors the idea of making these exhibits accessible to the pupils generally by placing them upon a screen in the corridor outside the drawing rooms. There can be shown examples of the most important processes of picture making, such as etching, steel and copper plate engraving, wood engraving, lithography, half-tone, etc.; also pencil, chalk and pastel drawing, water color, etc.

By having these exhibits within easy range of vision, and briefly explained, any pupil can learn by himself to recognize at sight the leading kinds of art technique. This would be a means to obtain a limited art culture without much cost of either time or money, and would be a source of life-long art appreciation and enjoyment.

Two exhibitions of pupils' work in art (including sewing and sloyd) were held a short time before the closing of the spring term, viz., the Morse and the Roberts schools. Both these exhibitions were highly interesting and successful.

In the High and Latin School the popularity of the subject is shown in the increased number (383) now electing the study. Two hundred three of these are in the freehand classes and one hundred eighty in the mechanical drawing classes. Miss Willoughby, who makes a specialty of the latter branch of the subject, finds her room at times inadequate. Miss Dowd has the freehand part of the course as her specialty. She has just organized a special class in advanced art, which meets in the time formerly used by the classes of the Trade School.

The director of drawing and his assistant are working on time



schedules similar to those of last year. Miss Jennison, the assistant, gives her entire time to the primary schools and a few classes of the lower grammar grades. The director of drawing gives four-fifths of his time to the grammar schools and one-fifth to the High and Latin School and the Trade School for Girls.

An excellent spirit prevails throughout all these schools and the interest and efficiency in the subject are strongly maintained.

Respectfully submitted,

PETER ROOS,  
*Director of Drawing.*

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## MUSIC

The following report on music is submitted by Mr. Whoriskey, the Director of Music:—

*To the Superintendent of Schools:*

Instruction in music in the grades is on a basis that is securing lasting results. The work of each class is under constant observation and records are kept by the department. An extension of the present system will enable the director to note the individual progress of each pupil.

During the present school year all who entered the grammar grades for the first time were carefully tested in primary grade fundamentals and sight work and the results noted.

Individual work in melody writing from dictation, followed by the singing of each exercise at sight, were features in the course in the fourth, fifth and sixth year grades.

Scale building without signatures was required in the seventh and the eighth year grades. Its object is to impart a more intimate knowledge of principles than can be gained by the mere reading of exercise and song melodies. This feature has passed the experimental stage and has demonstrated its value.

An orchestra was established at the Peabody Grammar School in October. In February, Miss Minnie H. Ketchum, a grade teacher who is also an accomplished violinist, offered to assist and was given



charge of it. She has generously given her time outside of school hours and the organization has benefited greatly under her instruction.

At the high schools there has been a lively interest in the musical organizations. These include an orchestra, two choral classes and a class in harmony at the High and Latin School; and an orchestra, a senior glee club and a choral class at the Rindge Technical School.

An innovation at the Latin building was the establishment of one period each week, during school hours, for orchestral practice. In other years, when practice was held outside of school hours, the membership was very small and attendance was not satisfactory. Under the new plan an orchestra of twenty-one pupils has been maintained. The organization played at the High and Latin senior class drama, the debate and the graduation exercises of the Evening High School, and the May meeting of the Board of Trade, and at some of the functions of the day schools.

A new course in Appreciation of Music has been given to the Friday choral class at the Latin School with the assistance of a Victor sound reproducing machine. The methods of the presentation of the material have been varied, the underlying thought being to broaden the musical perception and the general musical knowledge of the pupils. The interest has been keen.

At Rindge Technical School an orchestra of eighteen pieces has practiced in school hours once each week. It participated in the junior class dramatics, the annual concert of the Rindge musical clubs, the May meeting of the Board of Trade, and at certain school exercises; and some of its members assisted at the debate and the graduation exercises of the Evening High School. Through the courtesy of Mr. John W. Wood, Jr., a sum of money became available for the purchase of a double bass and a clarinet. A former pupil contributed a trombone. These instruments have been loaned to pupils at the school who are studying privately. One of the boys is already playing with the orchestra and another will be competent to do so in a short time.

The senior glee club, formed for practice outside of school hours, is a very enthusiastic organization. It appeared successfully at the annual concert of the musical clubs and at the May meeting of the Board of Trade.

The value of sound reproducing machines for educational purposes has been demonstrated in Cambridge schools that have raised funds to defray the expense of purchase. I recommend their use in the primary and kindergarten classes for marching and rote singing purposes.

Musical instruments in our schools should be kept in a reasonable condition of usefulness. We never have had a systematic method of accomplishing this. I respectfully urge the adoption of a contract plan for tuning and regulating pianofortes.

Respectfully submitted,

JOHN B. WHORISKEY,  
*Director of Music.*

VACATION SCHOOLS

The vacation schools opened on Monday, July 7, 1913, in four of the school buildings, and continued for four weeks, closing August 1.

A class was formed at the English High School building for pupils of the eighth grade who failed to enter the high schools, and classes were formed in the Ellis, Kelley and Webster buildings for pupils in the grammar schools, below the eighth grade, who were conditioned and failed of promotion.

The following table shows the number in attendance in each school:—

|                    | Number<br>Registered | Average<br>Attendance |
|--------------------|----------------------|-----------------------|
| English High ..... | 55                   | 48                    |
| Ellis.....         | 50                   | 34                    |
| Kelley .....       | 70                   | 55                    |
| Webster .....      | 55                   | 25                    |
|                    | 230                  | 162                   |

The cost of the vacation schools was \$196 for salaries of teachers, \$80 for salaries of janitors, \$4.69 for supplies, a total of \$280.69.



EVENING SCHOOLS

The following report on the Evening Schools is submitted by Mr. John J. Mahoney, Assistant Superintendent of Schools:—

The Evening Schools opened for the year 1913–1914 on Wednesday, October 15. They closed with the usual exercises of graduation in the week beginning March 16, after a season of approximately twenty weeks. That this season could not have been prolonged is greatly to be regretted. Twenty weeks at evening school is equal only to five weeks of day school time. Obviously, it is no easy task for teachers, however good, to get much done in so short a period. Much was done, and done at very little expense, as this report will show. Another autumn, however, if the people of Cambridge wish to operate evening schools, they should be ready to spend more money on them. This year the schools admitted one thousand three hundred and forty pupils more than during the season of 1911–1912, two years ago, an increase of almost exactly fifty per cent. Yet the expense has increased only eleven per cent. Of statistics, however, more later. Just here let it suffice to say that schooling, as everything else, costs money; that it is sometimes a sheer waste not to spend money enough; that if a thing is to be done at all, it should be done well.

1. FACTS AND FIGURES

The following table shows the buildings used for evening school purposes and the character of the work offered in each:—

TABLE I

| Schools                | Classes  |
|------------------------|--|
| Industrial School..... | Woodwork, iron-work, machine shop, printing, machine drawing, architectural drawing.             |
| High School .....      | Academic, commercial, free-hand drawing.   |
| Corlett School         | English for foreigners, grammar school work, dress-making, millinery, embroidery, civil service. |
| Kelley School          |  |
| Putnam School          |  |
| Roberts School         |  |
| Shepard School         |  |
| Webster School         | Cooking  |
| Thorndike School.....  |  |



The following table shows the attendance at the evening schools for the year 1913-1914, including the attendance at the industrial schools and the industrial classes in the elementary schools:—

TABLE II

| Schools                 | Number Registered |         |       | Average Number Belonging | Average Attendance | Per cent of Attendance |
|-------------------------|-------------------|---------|-------|--------------------------|--------------------|------------------------|
|                         | Males             | Females | Total |                          |                    |                        |
| Industrial School.....  | 303               |         | 303   | 126                      | 97                 | 77.0                   |
| Mechanical Drawing .... | 116               |         | 116   | 51                       | 41                 | 80.4                   |
| Freehand Drawing ....   | 23                | 8       | 31    | 22                       | 16                 | 72.7                   |
| Evening High .....      | 376               | 316     | 692   | 471                      | 379                | 80.4                   |
| Corlett School .....    | 115               | 133     | 248   | 114                      | 79                 | 68.9                   |
| Kelley School.....      | 332               | 240     | 572   | 312                      | 238                | 76.2                   |
| Putnam School .....     | 488               | 289     | 777   | 421                      | 341                | 81.0                   |
| Roberts School .....    | 429               | 337     | 766   | 476                      | 401                | 84.0                   |
| Shepard School .....    | 76                | 101     | 177   | 136                      | 108                | 79.0                   |
| Webster School .....    | 163               | 154     | 317   | 191                      | 168                | 88.0                   |
| Cooking Class .....     | ...               | 24      | 24    | 24                       | 15                 | 62.5                   |
| Total .....             | 2,421             | 1,602   | 4,023 | 2,344                    | 1,883              | 80.3                   |

The average number of teachers employed in 1912-1913 and 1913-1914 is shown in the following table:—

TABLE III

| Schools                  | Average Number of Assistant Teachers |           |
|--------------------------|--------------------------------------|-----------|
|                          | 1912-1913                            | 1913-1914 |
| Industrial School .....  | 7                                    | 7         |
| Mechanical Drawing ..... | 3                                    | 3         |
| Freehand Drawing .....   | 1                                    | 1         |
| Evening High .....       | 15                                   | 17        |
| Corlett School .....     | 5                                    | 4         |
| Kelley School .....      | 8                                    | 11        |
| Putnam School .....      | 24                                   | 17        |
| Roberts School .....     | 22                                   | 22        |
| Shepard School .....     | 6                                    | 6         |
| Webster School .....     | 9                                    | 8         |
| Cooking Class .....      | 2                                    | 1         |
| Total.....               | 102                                  | 97        |

The following table is a comparison of the registration, attendance and number of pupils per teacher in 1912-1913 and 1913-1914:—

TABLE IV

| Schools              | Number Registered |           | Average Attendance |           | No. of Pupils to a Teacher |           |
|----------------------|-------------------|-----------|--------------------|-----------|----------------------------|-----------|
|                      | 1912-1913         | 1913-1914 | 1912-1913          | 1913-1914 | 1912-1913                  | 1913-1914 |
| Industrial School .. | 183               | 303       | 87                 | 97        | 12                         | 13        |
| Mechanical Dr'w'g    | 65                | 116       | 38                 | 41        | 12                         | 12        |
| Freehand Drawing     | 33                | 31        | 15                 | 16        | 15                         | 16        |
| Evening High.....    | 483               | 692       | 270                | 379       | 18                         | 22        |
| Corlett School ...   | 226               | 248       | 90                 | 79        | 18                         | 19        |
| Kelley School.....   | 484               | 572       | 135                | 238       | 16                         | 22        |
| Putnam School ...    | 847               | 777       | 331                | 341       | 14                         | 20        |
| Roberts School ...   | 872               | 766       | 338                | 401       | 16                         | 19        |
| Shepard School ...   | 193               | 177       | 105                | 108       | 16                         | 18        |
| Webster School ..    | 367               | 317       | 133                | 168       | 14                         | 21        |
| Cooking Class ....   | 58                | 24        | 18                 | 15        | 9                          | 15        |
| Total .....          | 3,811             | 4,023     | 1,560              | 1,883     | .....                      | .....     |

Commenting on the above tables, it is important to note the following:—

Fact Number 1:

There were in 1913-1914, 252 *more* pupils actually belonging to the system than in the previous year. At the same time, there were employed *five less* teachers. (See tables II and III.)

Fact Number 2:

Despite the fact that a smaller number of teachers was employed to handle a larger number of pupils, the per cent of attendance has increased from 74.6 in 1912-1913 to 80.3 per cent in 1913-1914. Eighty per cent is a very high rate of attendance in evening school work.

Fact Number 3:

With an enrollment increased by 50 per cent (1,340 pupils) in two years' time, we now employ only 13 teachers more than in 1911-1912. This is an increase of only 17 per cent.

Fact Number 4:

In two years' time the Evening High School has increased its actual average attendance by 139 per cent. That is to say, the school has more than doubled in size. The number of graduates in the same period has increased from 10 to 95. We employed 11 teachers in 1911-1912. We employ only 17 now.

We may expect to find, then, that a comparison of the expense of evening school instruction for 1912-1913 and 1913-1914 will reveal economy by showing a decreased cost per pupil this past season. That this is so, may be seen from the following tables:—

Cost of the evening schools for the year 1913-1914, including the cost of the state-aided schools, which have been carried on under the direction of the State Board of Education:

TABLE V

| Schools                         | Salaries of Teachers | Cost of Text-books and Supplies | Cost of Fuel, Light and Janitor Service | Total       | Cost Per Pupil |
|---------------------------------|----------------------|---------------------------------|---|-------------|----------------|
| Industrial School .....         | \$1,899 50           | \$201 15                        | \$910 99                                | \$3,011 64  | \$31 04        |
| Mechanical Drawing .....        | 572 50               | 39 40                           | 267 08                                  | 878 98      | 21 44          |
| Freehand Drawing.....           | 177 00               | 72 49                           | 45 78                                   | 295 27      | 18 45          |
| Evening High .....              | 2,316 00             | 195 70                          | 824 38                                  | 3,336 08    | 8 80           |
| Corlett School .....            | 602 00               | 17 23                           | 123 52                                  | 742 75      | 9 40           |
| Kelley School .....             | 1,092 00             | 60 65                           | 370 91                                  | 1,523 56    | 6 40           |
| Putnam School .....             | 1,708 50             | 35 41                           | 394 78                                  | 2,138 69    | 6 27           |
| Roberts School .....            | 1,906 00             | 63 23                           | 497 73                                  | 2,466 96    | 6 15           |
| Shepard School.....             | 646 00               | 5 96                            | 118 77                                  | 770 73      | 7 13           |
| Webster School .....            | 809 50               | 31 97                           | 449 27                                  | 1,290 74    | 7 67           |
| Cooking Class.....              | 118 00               | 115 51                          | 94 05                                   | 327 56      | 21 83          |
| Director of Household Arts .... | 12 00                | .....                           | .....                                   | 12 00       | .....          |
| Total .....                     | \$11,859 00          | \$838 70                        | \$4,097 26                              | \$16,794 96 | \$8 92         |



The following table shows the comparative cost of the evening schools in 1912-1913 and 1913-1914:—

TABLE VI

| Schools                               | Total Cost  |             | Cost per Pupil |           |
|---------------------------------------|-------------|-------------|----------------|-----------|
|                                       | 1912-1913   | 1913-1914   | 1912-1913      | 1913-1914 |
| Industrial School . . . . .           | \$3,004 61  | \$3,011 64  | \$35 00        | \$31 04   |
| Mechanical Drawing . . . . .          | 914 22      | 878 98      | 25 11          | 21 44     |
| Freehand Drawing . . . . .            | 266 04      | 295 27      | 20 40          | 18 45     |
| Evening High . . . . .                | 3,097 97*   | 3,336 08    | 10 90          | 8 80      |
| Corlett School . . . . .              | 657 06      | 742 75      | 8 70           | 9 40      |
| Kelley School . . . . .               | 1,127 30    | 1,523 56    | 8 65           | 6 40      |
| Putnam School . . . . .               | 2,825 22    | 2,138 69    | 8 66           | 6 27      |
| Roberts School . . . . .              | 2,728 07    | 2,466 96    | 8 19           | 6 15      |
| Shepard School . . . . .              | 881 64      | 770 73      | 8 78           | 7 13      |
| Webster School . . . . .              | 1,456 59    | 1,290 74    | 11 25          | 7 67      |
| Cooking Class . . . . .               | .....       | 327 56      | .....          | 21 83     |
| Director of Evening Schools . . . . . | 400 00      | .....       | .....          | .....     |
| Director of Household Arts . . . . .  | .....       | 12 00       | .....          | .....     |
| Total . . . . .                       | \$17,358 72 | \$16,794 96 | \$11 13        | \$8 92    |

\* Including cooking class.



The following charts set forth in a graphic way some of the facts that appear in the foregoing tables:—

CHART No. 1

(Showing the discrepancy between the increase in attendance and the increase in cost in two years' time.)

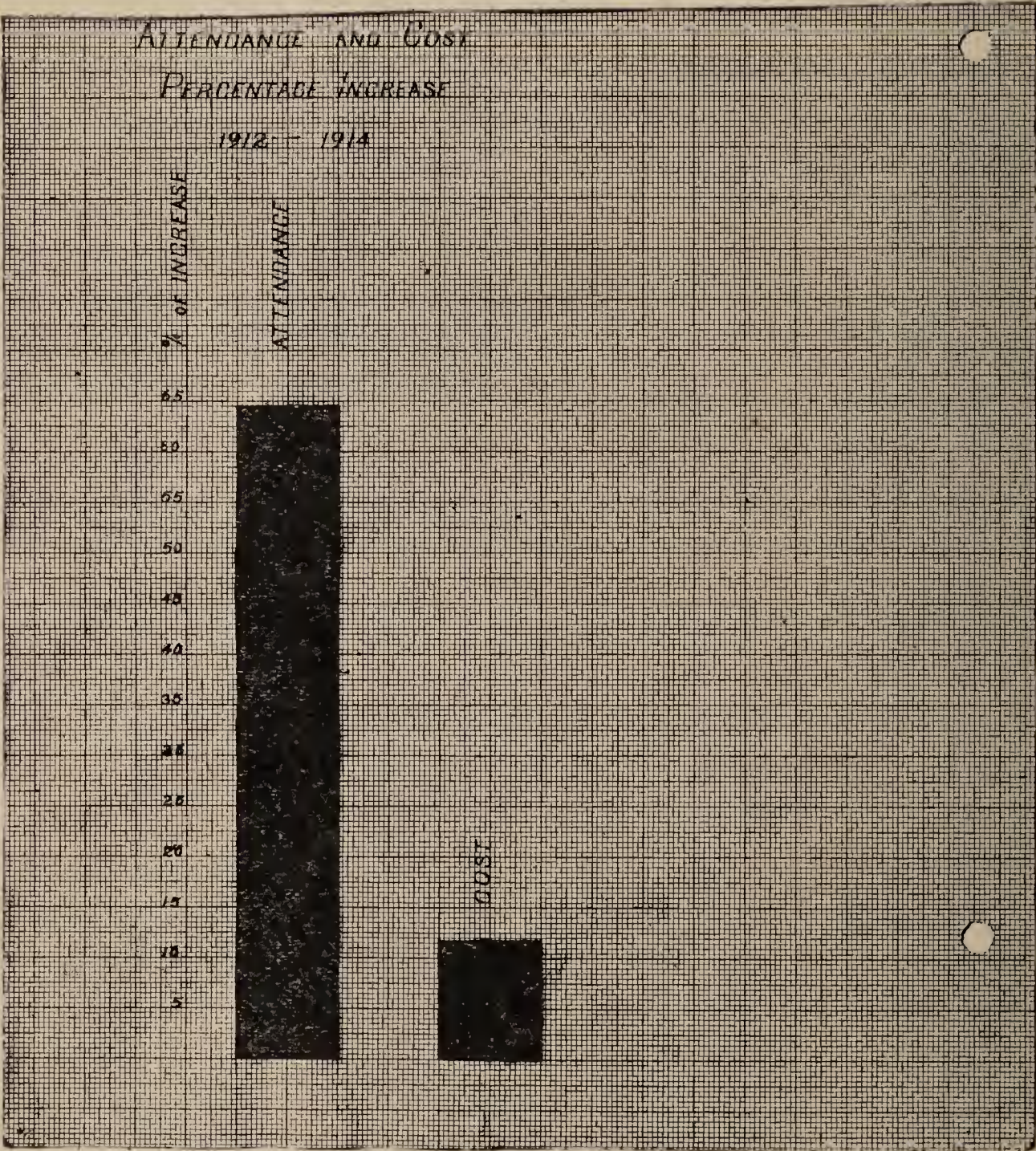




CHART No. 2

(Showing the surprising cut in cost per pupil in two years' time.)

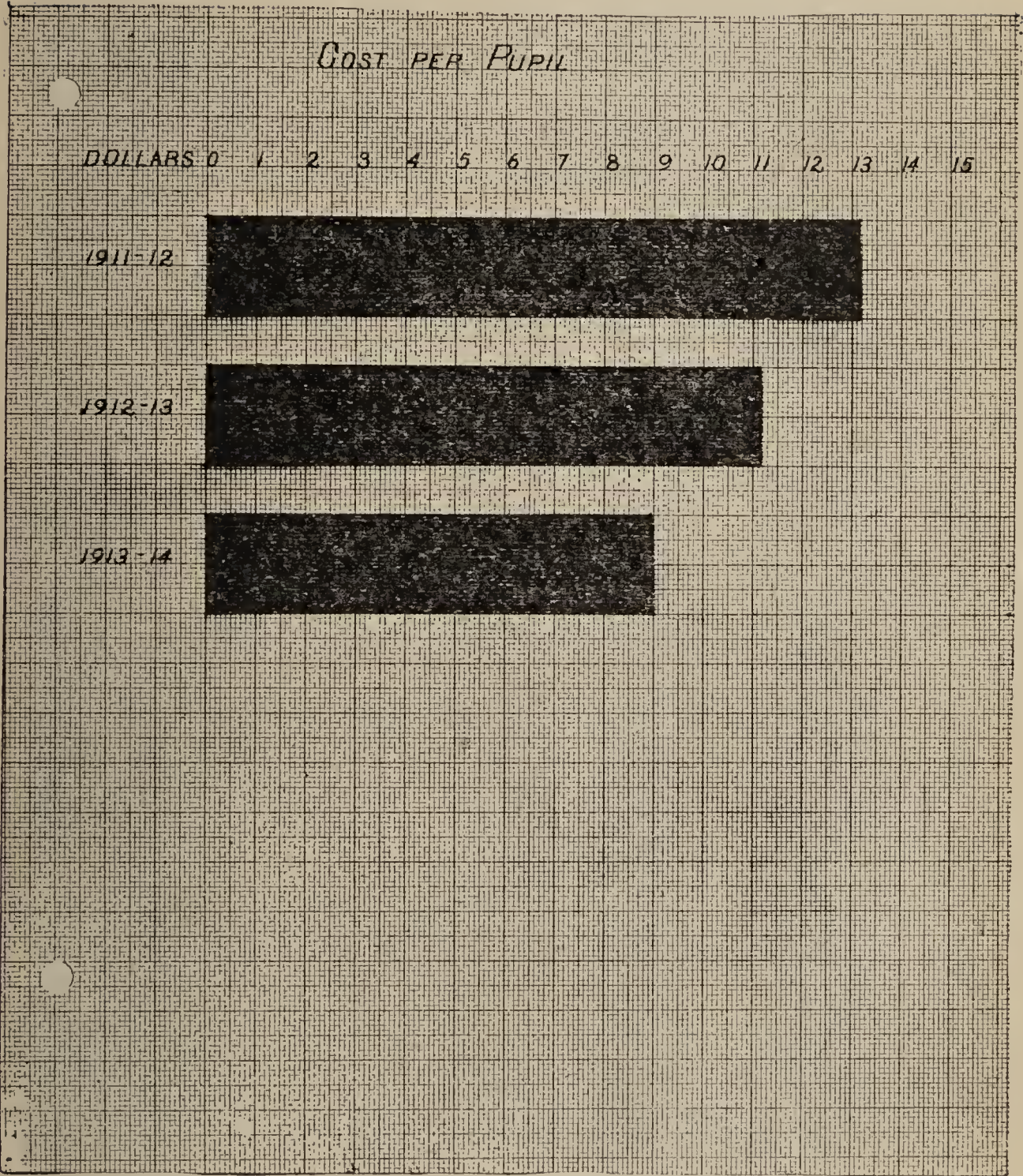




CHART No. 3

(Showing the increase in number of pupils per teacher in two years' time.)

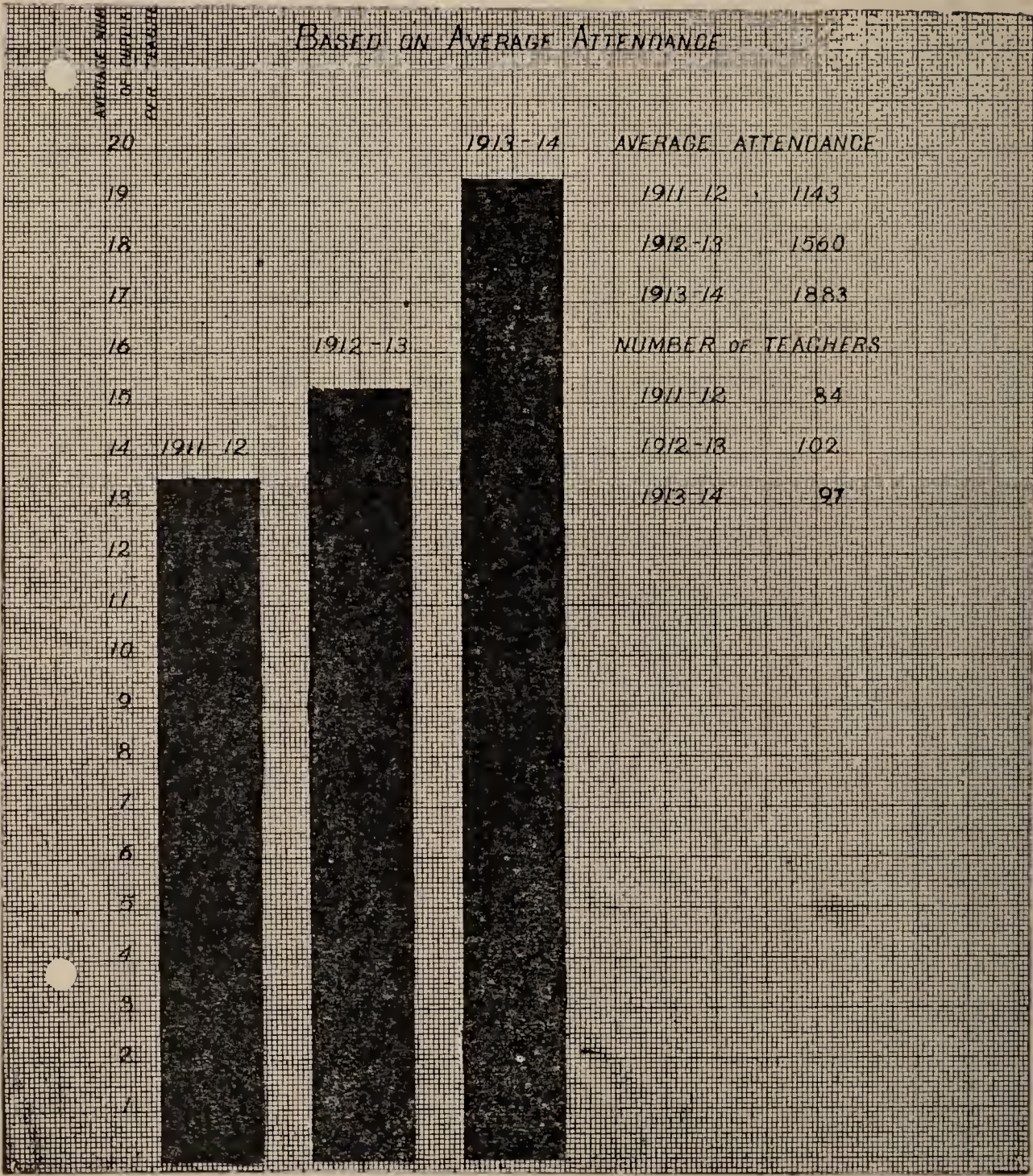
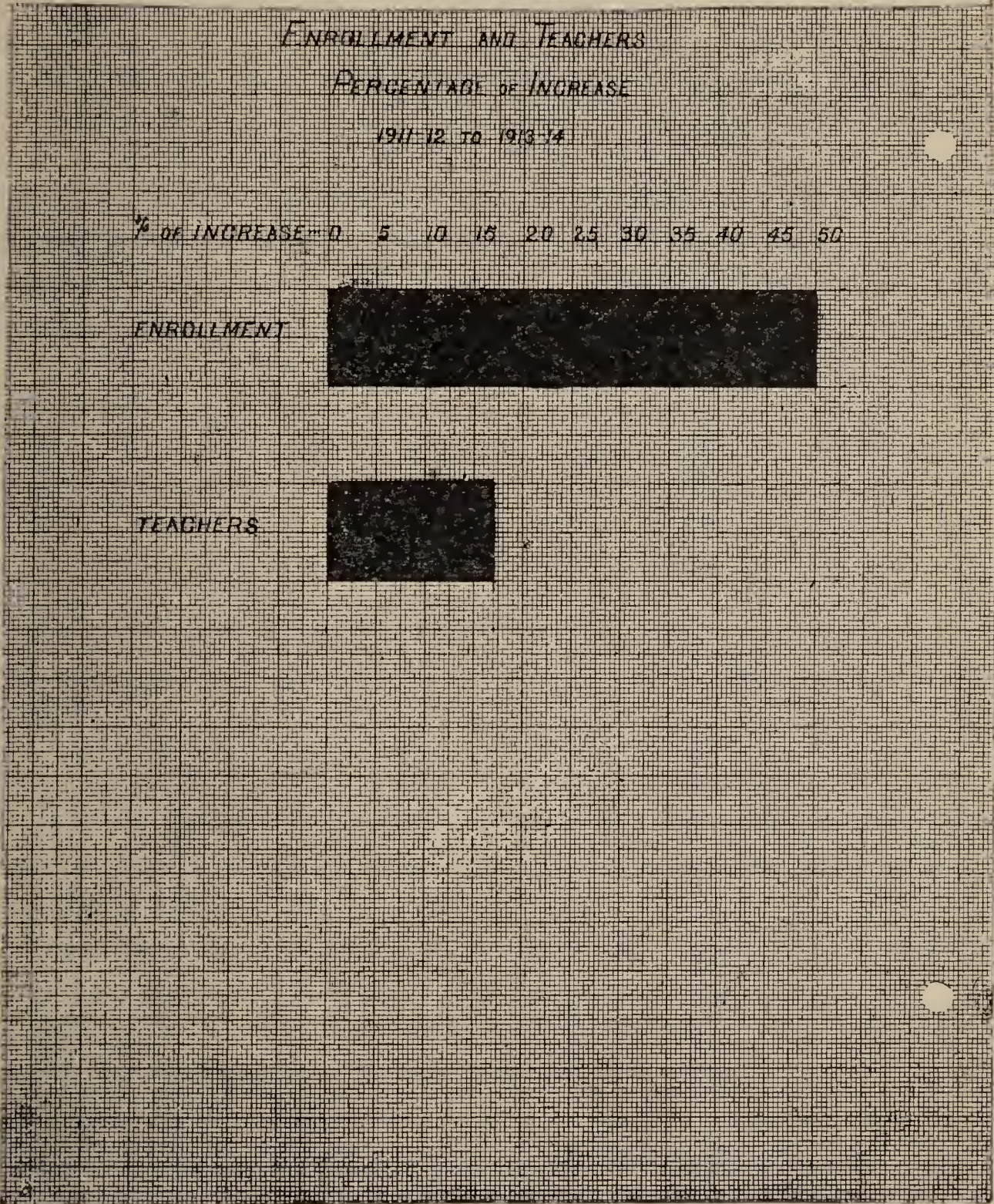




CHART No. 4

(Showing the discrepancy between the increase in enrollment and the increase in number of teachers employed in two years' time.)





Above and beyond the savings already indicated above, a great saving has been made in the cost of the industrial work in the evening schools. This work, if carried out according to certain regulations of the State Board of Education, is reimbursed to the extent of fifty per cent of the amount expended. In 1912, the amount reimbursed was \$1,075.44. Last year, the amount was \$2,425.29, an increase of \$1,349.85.

It would be interesting to figure out just what was the net cost of our system this past year and the net cost per pupil, after deducting the reimbursement. This could not be done easily, however, as the fiscal year of the state and city do not correspond. The fact remains, though, that the reimbursement represents a big saving which should be taken into consideration.

The above tables and charts show the sweeping cut that has been made in the cost per pupil during the past two years.

The following comparative table shows the number of graduates in 1912-1913 and 1913-1914:—

TABLE VII

| Schools                  | Number of Graduates |           |
|--------------------------|---------------------|-----------|
|                          | 1912-1913           | 1913-1914 |
| Industrial School .....  | 11                  | 13        |
| Mechanical Drawing ..... | 5                   | 12        |
| Freehand Drawing .....   | 2                   | 5         |
| Evening High .....       | 37                  | 95        |
| Corlett School .....     | ...                 | ...       |
| Kelley School .....      | ...                 | 23        |
| Putnam School .....      | 40                  | 65        |
| Roberts School .....     | 42                  | 54        |
| Shepard School .....     | 32                  | 25        |
| Webster School .....     | 40                  | 43        |
| Total .....              | 209                 | 335       |



## 2. THE EVENING INDUSTRIAL CLASSES

The following table shows the attendance at the evening industrial schools and the industrial classes in the elementary schools:—

TABLE VIII

| Schools             | Number Registered |         |       | Average Number Belonging | Average Attendance | Per cent of Attendance |
|---------------------|-------------------|---------|-------|--------------------------|--------------------|------------------------|
|                     | Males             | Females | Total |                          |                    |                        |
| Industrial School . | 215               | ...     | 215   | 98                       | 70                 | 71.8                   |
| Mechan. Drawing     | 116               | ...     | 116   | 51                       | 41                 | 80.4                   |
| Corlett School ...  | ...               | 113     | 113   | 48                       | 37                 | 77.1                   |
| Kelley School ...   | ...               | 75      | 75    | 34                       | 21                 | 61.0                   |
| Putnam School ..    | ...               | 79      | 79    | 39                       | 27                 | 69.0                   |
| Roberts School ..   | ...               | 99      | 99    | 56                       | 35                 | 62.3                   |
| Shepard School...   | ...               | 58      | 58    | 49                       | 37                 | 76.3                   |
| Webster School ..   | ...               | 48      | 48    | 28                       | 23                 | 82.1                   |
| Cooking Class....   | ...               | 24      | 24    | 24                       | 15                 | 62.5                   |
| Total .....         | 331               | 496     | 827   | 427                      | 306                | 71.7                   |

## 3. THE PROBLEM OF ATTENDANCE

There are two sides to the problem of attendance in evening school work. First, it is necessary to secure the enrollment of those pupils whom the schools are meant to serve. Second, once having enrolled these pupils, it becomes the problem of the school to hold them in attendance throughout the year.

The first is a comparatively easy thing to do. The second is by no means so easy. Last year it was pointed out in a table, such as appears below, that a very considerable portion of the evening school population attends less than ten nights in the entire season. Hundreds of young people, not only in Cambridge, but elsewhere, throng the schools during the opening weeks. Attracted by the novelty of the thing only, they stay until the novelty wears away, and then disappear. It was suggested then that many of these transients might be induced to persevere, given systematic organization from the very start, good teaching, proper seating accommodations, and proper equipment. It was set forth that "waste time" during the first two weeks must be eliminated—such waste time as is caused by slowness in getting under way, and by slowness on the part of the teacher in sizing up imme-

diately the educational needs of her class, and in proceeding straightway to meet these needs. This year a brave attempt has been made, in the face of many obstacles, to strengthen the weak points. The idea has become rooted in Cambridge that the evening school is no longer a "side show" in the city school system, but rather a very important integral part of the system. And the teaching force has seen to it that the boy who gave of his precious leisure was well repaid for the sacrifice. The proof of this is seen in the tables below. Despite the fact that because of lack of money, in many instances, classes were over-large; despite the fact that only a pitiable amount was spent for equipment; despite the fact that in certain schools—the Putnam, for instance—pupils were compelled to stand night after night for want of seating accommodations—despite all these drawbacks, the schools lost only nine hundred odd pupils during the first ten nights, as compared with thirteen hundred and forty-two in 1912–1913. In view of the drawbacks mentioned, the increased efficiency must be credited solely to the enthusiastic, devoted work of the principals and teachers, to whom the Director of Evening Schools wishes to yield all praise. It is apparent that the increased "holding power" on the part of the schools is the very best measure of their efficiency, because, if the teaching is not effective, the evening school pupil disappears. This "holding power" in certain spots during the past year was truly remarkable. The following rooms, which shall be nameless, are submitted as examples:—

|              |                     | Per Cent of<br>Attendance |
|--------------|---------------------|---------------------------|
| Room A ..... | Eighth Grade.....   | 94.1                      |
| Room B ..... | Foreign Class ..... | 92.8                      |
| Room C ..... | Eighth Grade.....   | 91.2                      |
| Room D ..... | Foreign Class ..... | 91.2                      |
| Room E ..... | Seventh Grade.....  | 90.5                      |
| Room F ..... | Foreign Class ..... | 86.6                      |
| Room G ..... | Eighth Grade.....   | 85.8                      |
| Room H ..... | Seventh Grade.....  | 85.5                      |
| Room I.....  | Foreign Class ..... | 82.4                      |
| Room J ..... | Seventh Grade.....  | 82.3                      |

When it is remembered that seventy per cent is considered a very decent yearly average attendance in evening school work, where attendance is in the main voluntary, it becomes apparent that something more than ordinary teaching power must have been exerted in the rooms cited above. May we have many like them another year!

The following tables and charts show in detail the increased “holding power” of the system:—

TABLE IX  
ATTENDANCE BY PERIODS  
1913-1914

|                         | Nights<br>1-10 | Nights<br>11-20 | Nights<br>21-40 | Nights<br>41-60 |
|-------------------------|----------------|-----------------|-----------------|-----------------|
| Industrial School ..... | 89             | 79              | 147             | 104             |
| Evening High .....      | 94             | 115             | 234             | 241             |
| Corlett School .....    | 60             | 39              | 83              | 66              |
| Kelley School.....      | 189            | 116             | 152             | 115             |
| Putnam School .....     | 226            | 136             | 177             | 238             |
| Roberts School .....    | 179            | 139             | 217             | 231             |
| Shepard School .....    | 22             | 40              | 60              | 55              |
| Webster School .....    | 52             | 62              | 105             | 101             |
| Freehand Drawing .....  | 6              | 8               | 6               | 11              |
| Total .....             | 917            | 734             | 1,181           | 1,162           |

TABLE X  
ATTENDANCE BY PERIODS  
(1913-1914 compared with 1912-1913)

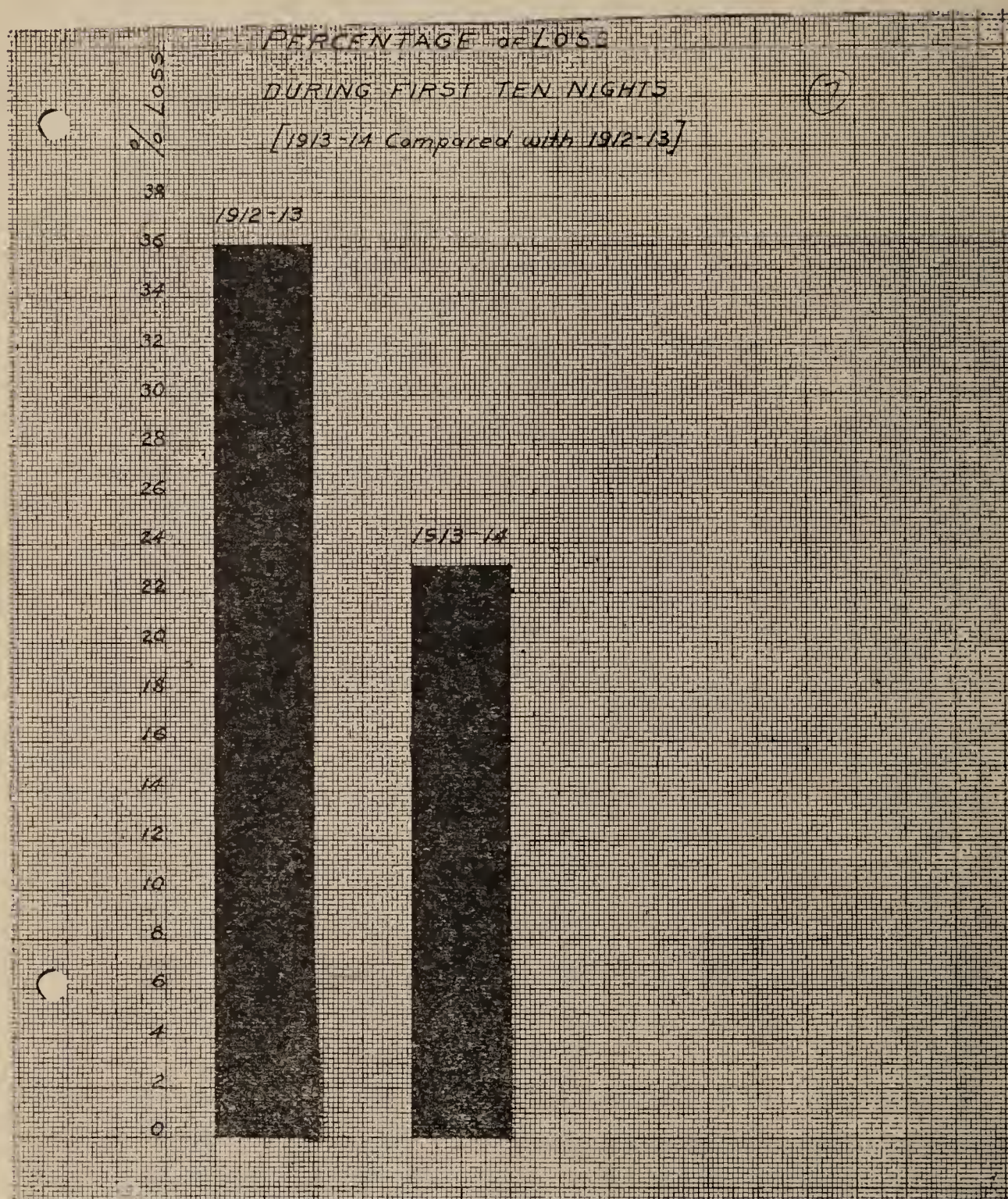
| Nights, 1-10 |           | Nights, 11-20 |           | Nights, 21-40 |           | Nights, 41-60 |           |
|--------------|-----------|---------------|-----------|---------------|-----------|---------------|-----------|
| 1912-1913    | 1913-1914 | 1912-1913     | 1913-1914 | 1912-1913     | 1913-1914 | 1912-1913     | 1913-1914 |
| 1,342        | 917       | 622           | 734       | 862           | 1,181     | 887           | 1,162     |

It appears from Table X that in 1912-1913, 1,749 pupils attended for more than twenty sessions. These represent 47 per cent of the entire enrollment for that year. In 1913-1914, 2,343 pupils attended for the same period. These represent 58 per cent of the total enrollment for that year.



## CHART No. 5

(The following chart indicates the gain in "holding power" during the first ten nights, 1913-1914 compared with 1912-1913.)





4. THE EVENING HIGH SCHOOLS

The Cambridge Evening High School graduated but ten pupils in March, 1912. In March, 1913, the number was thirty-seven. In March, 1914, it was ninety-five. The following table is interesting:—

TABLE XI  
GROWTH OF EVENING HIGH SCHOOL IN 1913-1914  
(The figures are those of November 15 in each year)

|                                | 1911-1912 | 1912-1913 | 1913-1914 | Increase<br>1913-1914<br>1911-1912 |
|--------------------------------|-----------|-----------|-----------|------------------------------------|
| Average number belonging ..... | 242       | 426       | 563       | 132.6%                             |
| Average attendance .....       | 205       | 334       | 474       | 131.1%                             |

It is difficult for the Director of Evening Schools to speak of the truly wonderful development of this school within two years' time, without lapsing into what would seem to be too enthusiastic praise. Such praise, indeed, might well be criticised as too enthusiastic, if it were bestowed simply because the school has grown in numbers. Growth in numbers in an Evening High School is by no means to be disparaged, because, after all, where attendance on the part of pupils is purely voluntary, as in an Evening High School, it speaks volumes for such a school, when pupils enroll by hundreds, and having enrolled, remain throughout the year. Such has been the case in the Evening High School this past year, as the figures above show. And it is only because this growth is an index, the very best index, of certain conditions within that made the growth possible—it is only because of this that the increased size of the school is spoken of as a matter of congratulation. The Cambridge Evening High School this year has shown all the marks of a real school. The strong man at its head has solved the question of discipline. The teaching force is as efficient as can be expected in a corps that possesses but a few veterans. The course of study is gradually assuming shape. The spirit of earnestness and of "stick-to-itiveness" on the part of the pupils who work by day and go to school by night might well strike shame into the heart of many a high school boy, who gets his education at no such price. Hundreds of young people in Cambridge have shown this year conclusively that they appreciate and profit by the chance given them

in the evening high schools to make themselves more efficient workers and citizens. Cambridge has done nothing better, educationally, within the past two years, than to reorganize this school.

*a. A Unique Experiment*

We have tried this year an experiment in evening high school work that is probably without its like anywhere. At a meeting of the School Committee, held some time last year, it was voted that pupils doing work in the Evening High School might be credited, under certain conditions, toward the securing of a diploma from the day high school. Scores of boys and girls are compelled to leave our high school every year. Some need but a few subjects to enable them to win their diplomas. It was felt by the Committee at that time that the opportunity to complete these subjects in evening school would be taken advantage of. And so it has. Last fall ten pupils began this work. More applied, but it was deemed best the first year to limit the number to those who had completed three years in the day high school. These pupils followed the same course of study as prescribed for the day school pupils. They took examinations set by the day school teachers and corrected by them. They passed these examinations in nearly all cases with very high marks. In June, 1914, at least two of this class will, in all probability, receive their day high school diplomas, having completed satisfactorily the work of the senior year. They have accomplished this by going to school three nights in the week. They have proved that an earnest pupil, with some maturity of mind, can do in that time what an ordinary high school pupil gets done in five days. They have shown what are the possibilities for this sort of *Continuation Work* among high school pupils, and have given courage to others to make the attempt. About thirty pupils have already applied for admission to this class next year. The experiment has been a success. Comment on the value of work of this kind is superfluous. The cry today is for continuation schools, to enable workers to benefit their condition. Here is continuation work of a quality that is guaranteed because the day school itself sets the standard. And the cost is negative. We cannot afford not to pay the small price necessary for the development of activities of this kind.



## CHART No. 6

(Showing the great decrease in cost per pupil in the Evening High School during the past two seasons.)

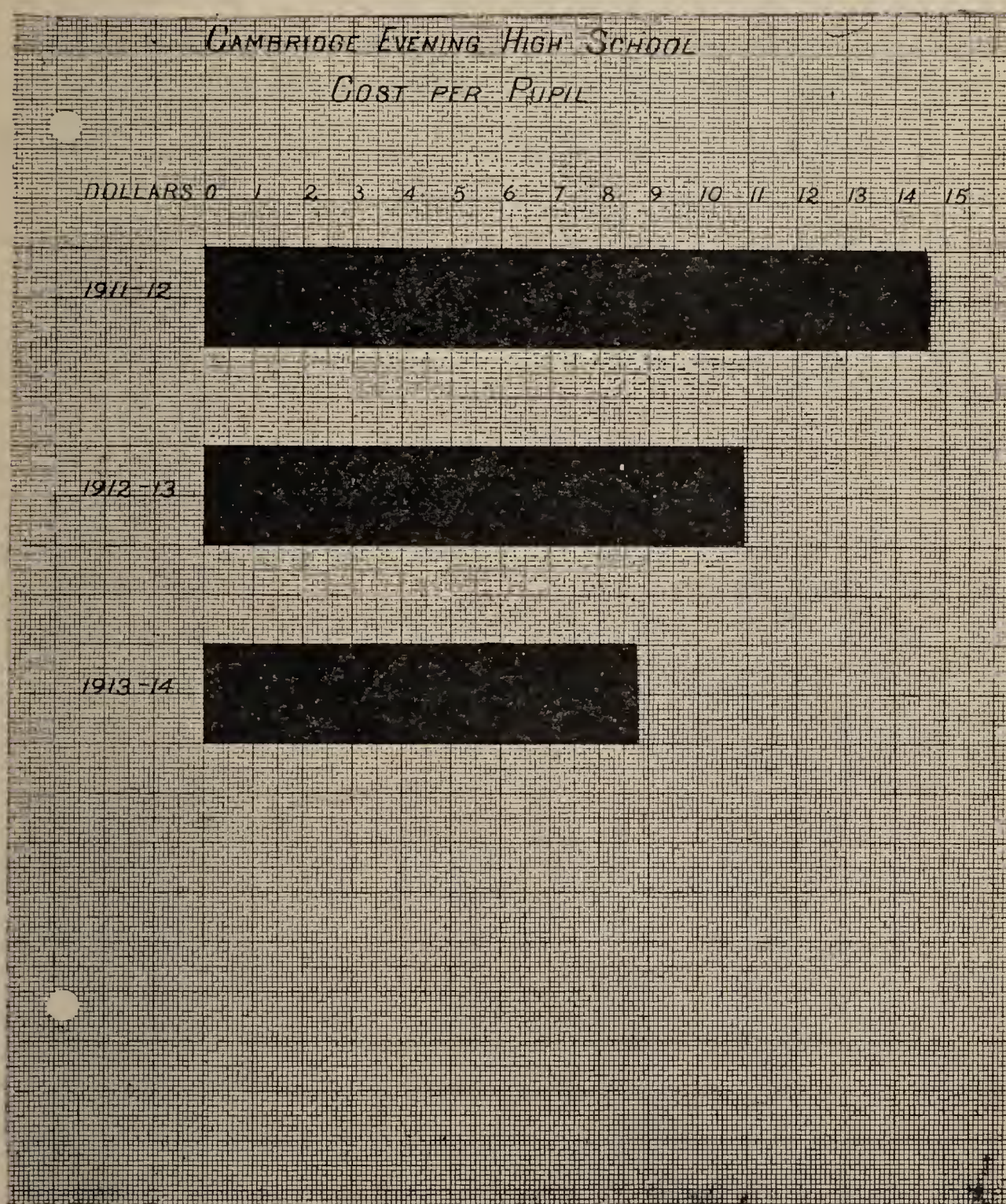
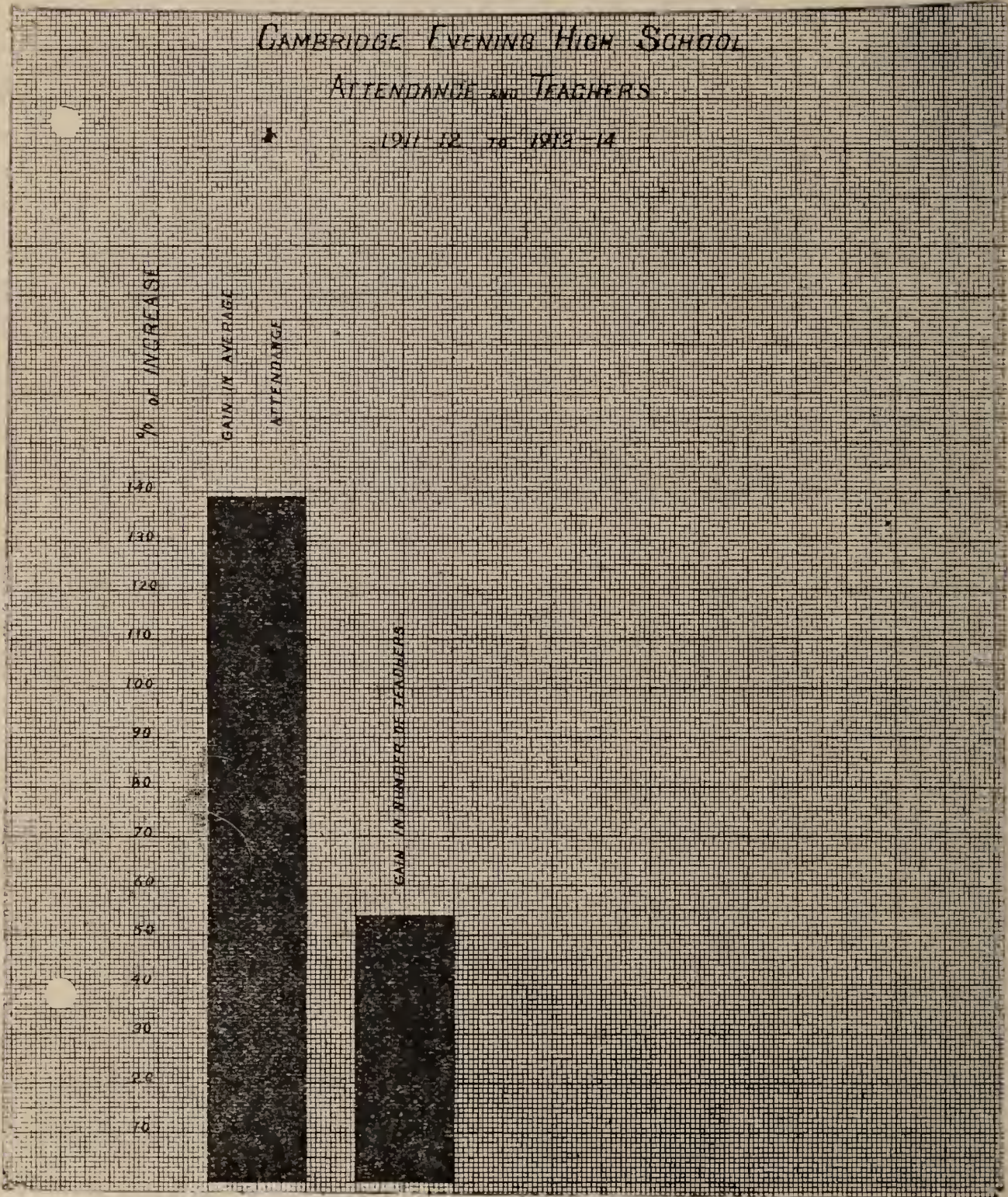




CHART No. 7

(Showing the discrepancy between gain in average attendance and increase in the number of teachers in two years' time.)





### *b. Rindge Evening Industrial School*

Rindge Evening Industrial School has also grown this year, as the figures show. But this growth is only a fraction of what must be realized before the school begins to meet the need of those people who could profit through the advantages it offers. Cambridge is one of the most important manufacturing centers in New England. Its industries are diversified. They give employment to thousands of workmen, more or less skilled. It would be hard to find a more promising field for continuation work in the trades. But the field, it would seem, is as yet undeveloped. Cambridge seems to be unaware of the advantages this school offers. The city is a great printing center. Yet there was but one class in printing in Rindge Evening Industrial School last year, and that poorly attended. The school needs co-operation and advice from people in touch with the industrial life of our municipality. It needs advice as to just what work it should undertake to do, and just how this work should be done. It needs co-operation in the sense that it should have the solid backing both of manufacturers and trade unions, and their help in spreading the news as to its various activities.

The development of the Rindge Evening Industrial School has not been attempted this year, because of the small appropriation for the evening schools. Several hundred dollars are needed for necessary equipment in order that this school may offer courses of such a character as will attract the workers in the trades. This money should be forthcoming next year. With it, Rindge Evening Industrial School might assume the important place that belongs to it in our evening school scheme.

## 5. THE IMMIGRANT IN THE EVENING SCHOOL

### *a. The Size of the Task*

Cambridge is no longer a native American city. The census of 1910 records 34,608 foreign-born people within its confines. The same authority sets forth the startling bit of information that of thirty-seven selected cities in the United States, ranging in population between 100,000 and 300,000 people, only six show a greater percentage of foreign-born than the University City. Not all or nearly all of these foreign-born contribute to the educational burden of Cambridge, of course. Many of them have come from English-speaking countries,



and go to make up the intelligent portion of our citizenship. Apart from these, however, it remains true that a larger and larger number of the class commonly called "foreigners" has come to Cambridge within the last ten years. Many of these people are intelligent, and the great majority have come to us with the best intentions of becoming respectable, law-abiding citizens. Ignorance of the language, however, is their one drawback. Ignorance of the language causes them to flock by themselves, and prevents the process of assimilation. Ignorance of the language, and of our American institutions renders them easy prey for the smooth-tongued demagogue. It is not worth while to try to prove now the danger of a continuance of this ignorance. The menacing shadow of the I. W. W. hovering over the manufacturing cities of New England has proven this all too well. And it is of no avail to bemoan the fact that the foreigner is here. He is here, and his coming is not to be deplored, if we but recognize our responsibility and give him help. Instruction in the English language is not the one thing that must inevitably transform into good American citizens these strange newcomers from over seas. But such instruction is the one thing that the school system is called upon to give. Such instruction, in a city of this kind, constitutes a task important enough to call forth the most earnest and intelligent efforts on the part of those in charge of our schools. The table appearing below makes it appear that the evening schools this past year have attracted a large number of those who need to be taught English—and citizenship. As a matter of fact, we can feel a justifiable pride both in the increase of numbers over last year, and in the "holding power" exercised by the schools over these people, as already shown. But we must not be deceived. The problem is very much greater than the figures in this table of illiteracy would indicate.

The census of 1910 gives 1,857 Portuguese in Cambridge. We enrolled 194. It gives 1,546 Italians. We enrolled 417. It gives 1,797 Swedes. We enrolled 68. And so on. It is not intimated that all or nearly all of the people reported in the census as above should be in evening school. Some of them are unquestionably literate. Some of them—children—are in the day schools. But with all allowances, there is a tremendous discrepancy between the numbers of these people reported as living in Cambridge and the number in attendance in our evening schools. We are only beginning to handle the problem. According to the census of 1910, there are 7,474 *males* of *voting age* in the city of Cambridge *not naturalized*. There are 978 illiterate males of voting age. There are 2,540 illiterates of ten years of age and over.

The University City of America cannot well be proud of this record. And yet it is one not to be wondered at. The schools have done good work. Various private educational and social organizations in the city have done good work also. But illiteracy has flowed in faster than it could be swept away. A change of view-point is needed. We must recognize that the assimilation of the foreigner is an extremely important piece of business. We should attempt to organize and unite the different agencies in the community that have this business in hand, with the idea of eliminating duplication and waste effort. We must prepare ourselves to handle not the dozens, but the hundreds. This means systematic work on a large scale. This, in turn, means money. Yet the past year the evening schools were given less money to spend than in the year previous. It has been shown in the chapter on costs that this money was spent very economically indeed. Can't Cambridge find more money to spend next year, very economically indeed, for the purpose of teaching the illiterates to read?

TABLE XII  
NATIONALITIES IN THE EVENING SCHOOLS  
Total Enrollment, 1913-1914

|                    | Over 21 |         |       | Under 21 |         |       | Total |
|--------------------|---------|---------|-------|----------|---------|-------|-------|
|                    | Males   | Females | Total | Males    | Females | Total |       |
| Italian .....      | 161     | 19      | 180   | 179      | 58      | 237   | 417   |
| Jew .....          | 58      | 20      | 78    | 28       | 55      | 83    | 161   |
| Lithuanian .....   | 135     | 48      | 183   | 50       | 61      | 111   | 294   |
| Polish .....       | 86      | 23      | 109   | 57       | 55      | 112   | 221   |
| Armenian .....     | 83      | 10      | 93    | 55       | 5       | 60    | 153   |
| French .....       | 7       | 5       | 12    | 6        | 3       | 9     | 21    |
| German .....       | 11      | 1       | 12    | 3        | 6       | 9     | 21    |
| Greek .....        | 6       | 2       | 8     | 4        | 2       | 6     | 14    |
| Portuguese .....   | 49      | 13      | 62    | 63       | 69      | 132   | 194   |
| Scandinavian ..... | 24      | 7       | 31    | 32       | 5       | 37    | 68    |
| All others .....   | 50      | 15      | 65    | 37       | 14      | 51    | 116   |
| Total .....        | 670     | 163     | 833   | 514      | 333     | 847   | 1,680 |

A few items in the above table call for comment. It is to be noted that the totals are given under two headings: first, for those over twenty-one; second, for those under twenty-one. The latter class constitutes those known as "Illiterate Minors." These people are obliged by law to attend school. An act of the Legislature in 1913 made this exaction so stringent that last year not many, in all proba-



bility, of those who should have attended evening school failed to do so. The other people, those over twenty-one, attend voluntarily. They come, presumably, because they really wish to learn. In view of the many criticisms generally set forth to the effect that the foreigner hates the evening school, and attends only because of the operation of the compulsory law, it is interesting to note that in Cambridge last year the schools enrolled very nearly as many of those who attended voluntarily as of those who came under compulsion. The figures, as set down above are:

|                            |     |
|----------------------------|-----|
| Voluntary attendants ..... | 833 |
| Illiterate minors .....    | 847 |

In the same connection, it appears that the Lithuanians and the Armenians enrolled more people over twenty-one than under; the Poles very nearly as many, the Jews likewise. On the other hand, the Portuguese enrolled a rather small percentage of voluntary attendants. These figures have some significance in throwing light on the eagerness of the different nationalities to avail themselves of the advantages of the evening schools.

The following table shows the make-up of our foreign classes throughout the city:—

TABLE XIII  
NATIONALITIES IN THE EVENING SCHOOLS  
1913-1914

|                    | Per Cent |
|--------------------|----------|
| Italians .....     | 24.82    |
| Lithuanians .....  | 17.50    |
| Polish .....       | 13.15    |
| Portuguese .....   | 11.54    |
| Jews .....         | 9.58     |
| Armenian .....     | 9.10     |
| Scandinavian ..... | 4.04     |
| French .....       | 1.25     |
| German .....       | 1.25     |
| Greek .....        | .83      |
| All others .....   | 6.90     |

*b. Does the Foreigner Learn English in the Evening School?*

The answer is, "That depends." It goes without saying that if little is expected in the way of accomplishment, little will be secured. If evening schools are to be taught in an amateurish way by people untrained for the work; if they are to remain crippled by lack of funds for suitable equipment; if the course of study is not arranged with the idea of meeting the needs of the pupils who come—then certainly



little can be hoped for. On the other hand, if it is recognized that these schools are an integral part of the school system; that their mission is to teach English to hundreds of boys and girls and men and women who can learn it in no other way; if they are so organized and so taught as to impress upon the pupils and the community that they do constitute an important part of the city's educational activities, then much can be expected of them.

The evening schools of Cambridge, because of lack of funds, as hereinbefore stated, have not been operated this year under the most advantageous conditions. As a consequence, the results secured leave much room for improvement. Yet it is very gratifying to note distinct signs of efficiency in work that is yet in the pioneer stage of development. The teachers in our foreign classes this year, considering their disadvantages, have done efficient work. Several of them have done remarkable work. Simply as an expression of opinion, this statement may not carry much conviction. But the proofs of this statement are herewith submitted in the shape of a series of letters written by men and women in the foreign classes, some of whom have come to the United States *within a year*. Whatever English these people know, they have acquired in our evening schools. The papers are reproduced with all their crudities and errors. Can anyone who realizes the importance of Americanizing the immigrant, read them and wonder if the evening schools are worth while?

I came in this country *sex months* ago, and I go to Robers school to learn, read and write and to talk English. this country is a very good country and good people.

I like this country. I like to go to school and I am very sorry that to night is last night to go to school.

(Signed) FANNIE GOVERMAN.

I am very glad to get a chance to write a few lines to you. I shall first tell you, I am a Swede. I came to this country the 15 of *June* 1913. I am alone in this country. *The first two* months I had a very hard time because *I could not speak English*. But the first chance I got I began to go to evening school, and I find many friends. I am very glad I came to school, and I will try to speak and write better English, so I can be a citizen of America.

I send my best regards,

Yours truly,

(Signed) HARRY SVENSSON.

I like to write something about myself. I have been over in this country *five months*, and I am working in machine shop in Boston., and I am going to Evening School three times a week, that first time I was over here It was a hard time. I couldn't speak and write English and anything in that way, but I like the school best of anything.

Yours truly,

(Signed) JOHN AUGUSTSON.

This is my first letter to you. English, I am been in this country onily one year. I have coming in this country from Italy for to better my position. In this country I like to come at the school night because I must be learned and to use the English language, and I see with one year I have coming in this Roberts night school I have learned to speak, to read and to write some English. I am glad of the Roberts night school because is the best school of this city of Cambridge. I give very very tankis at the teacher Mr. ——— because he have learned to me English. I hope to come to the Roberts night school next year because I am sadisfied of this year.

Yours truly,

(Signed) JOSEPH BONINA.

I'm very glad when I arrived in this country. It makes an impression on me to see a beatiful bulding and those great school, etc. And I wish to became a citizen, of the United State. Because I find that *this country is great and liberty and good, because its free to all.* This is the place were I found good friend and good laws that do good for all. I came to this country four years ago, and I will diead for it. I will give my life for it. *Because the place were I am now, does me much good, and the American flag is all the world to me. And I will protect it with my blood*

Resp. yours,

(Signed) VINCENT PULEO.

I came to this country *one year and two months* ago. I came from in Armenian. Armenian is far away than this country. I came here because I like and I wish to see. *America are good for all foreigners, all people can be liberty.*

I am working in American Rubber Co. my boss name is Mr. ——— I saw rain coht. In the night time I go to the kelley Evening



School. I go there three days on the week Monday, Wednesday and Thursday night. My Principal name is Mr. ——— I like he because he is kind and good for everybody. My teachers name is Miss ——— I love sh because sh teach us every hard word, and how we can write a letter. We loarned read write, spell a words, and talk good English. To-night we learned about the magajines. The magajines are books covered with paper. The school will closed Monday night March 16. I am sorry because I could learn eny more English.

Yours sincerely,

(Signed) SARAH BRAZILIAN.

I know school will close. It is not convenient to me to write this letter telling that I go to Webster evening School during this year.

I am Italian boy and came in this country *nine months ago*. Since I have been here I attendad evening School.

I learned to write and read. I thank tichear Mrs. ——— who has helped me and I hope to continue evening school next year.

Yours truly,

(Signed) JOSEPH VALLONE.

I want to tell you why I like this school. I like this school very much. I have been in this country *one years*. I dont speek all right English. I must go in this school every night, to speek all right English, and stand good citizen in this country. I like this country very much. I have good job and save money.

Yours,

(Signed) JOHN KISHKY.

I am an Armenian. I was born in Turkish armenia. I come to America *one years and five months ago*. I go to the Kelley Evening School. May teacher's name is Miss ——— I like Mr. ——— very much. I lern about George Washington he was first great man in America. There are portagues, Russians, polish, Lithuanians, Armenian, Swedish, Italian and Germans in our class. We have 35 people in our class. We learn about citizens, We write a litter every week. I like America very much.

yours sincerely,

(Signed) LEON MANASILIAN.



I have been going to night school in Cambridge. I have learned enough English to read right the want ads on the paper. I can get a good job if I red them and I been here in this country *six months* only. I wish to by a good citizen to america.

Yours,

(Signed)      CONSTANTIN ELIAS.

I came to the United States and I find That the United States is the best country that I ever came to. Started to go in school. I am trying to learn to be American Sitizen. I have a good teacher she learns with me very good and with everybody in school. I am in this country *one year* and *six months* and I working old the time. I make good money and I Work only eight hours a day I am satisfied with this country I finish my letter and I hope next year to come again to the Robert School.

Yours truly,

(Signed)      CHARLIE GELLER.

I come from Russia *one year* ago. I went to school two years in Russia. Last fall I came to this school to learn to read English. I can read the words on the blackboards and in my book I am going to this school a long time and *go to Cambridge high school*.

Yours truly,

(Signed)      CHARLES GREENSTEIN.

### *c. Lectures and Entertainments*

It has already been pointed out in another place that nearly half of the immigrant population enrolled in the evening schools is made up of voluntary attendants. This may be partly accounted for by the fact that during the past two years, in so far as funds would permit, we have tried to develop the "Social Center" idea in these schools for the foreign people, and to this end have introduced lectures and entertainments with the notion of injecting a little sociability into the teaching process. Sociability was in this case only a means to an end, the end being to accustom our newcomers to the use of the school-house as a gathering place. The lectures were in the main educational in nature. In the main, too, they were accompanied by moving pic-

tures or lantern slides, illustrating the text, and given in the tongue of the people composing the audience. The entertainments were furnished by the pupils themselves, and one of the great surprises of the year was the discovery that in our evening schools are some very talented people. The Corlett Evening School was entertained at every function by an Italian String Orchestra. In the Kelley Evening School was found a group with dramatic tendencies that one night staged a Lithuanian play. In the Putnam Evening School is a remarkable girl pianist—an Italian. In another school an illiterate Polish girl sang one night, and now, through the good offices of her teacher, she is being trained by one of the best masters in Boston. These affairs proved very revealing, and needless to say, were very much enjoyed by the people themselves. It can probably be said with truth that scores of over-age foreigners were first attracted and then held in the evening schools by “sociabilizing” the curriculum, as we did last year. Unfortunately, not nearly enough of it was done owing to the lack of money.

The following program of lectures at the Corlett Evening School last year is typical of what was done in a few other schools along this line:—

Lectures given in Italian  
Lantern furnished by Rev. Thomas Coughlin  
Slides furnished by American Civic League  
Music furnished by Italian Orchestra  
Lecturer, Mr. Angelo Perez

November 25, 1913.....Motion Pictures

*Closing of the Revolution*

Attendance 95

---

January 6, 1914.....Stereopticon Lecture

*Industrial America*

Attendance 100

---

February 2, 1914.....Stereopticon Lecture

*Life of Washington*

Attendance 97

February 26, 1914 .....Stereopticon Lecture  
*Seat of Government*  
Attendance 65

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March 20, 1914 .....Stereopticon Lecture  
*Woolen and Cotton Industries*  
Attendance 52

\* \* \* \* \*

In writing the above report on Evening Schools, I have tried to set down the things that seem most worth while just at this time. In concluding it I may say with propriety that many things have been tried; that some of them have prospered beyond all expectation. But how many things there remain to do!

Respectfully submitted,  
  
JOHN J. MAHONEY,  
*Assistant Superintendent of Schools.*

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ATTENDANCE OFFICERS

The work of the attendance officers is carried on under the direction of the Superintendent of Schools. The city is divided into five districts, an attendance office being assigned to each district, and one to the high schools and to assist in the care of the educational certificates for minors.

Among the duties of the attendance officers are the following:

To inquire into all cases of absence, truancy, juvenile vagrancy, persistent disobedience to the rules of the schools, or of unlawful detention from school, and to report to parents all cases of suspension from school; to prosecute, in the name of the city, when so directed by the superintendent, all persons violating the public statutes relating to school attendance; to visit each month, while the public schools are in session, all factories, workshops and mercantile establishments in their respective districts, and ascertain if there is any violation of



the public statutes relating to the employment of children; to pay particular attention to the employment of minors who are required by law to attend the evening schools as a condition of their employment; to acquaint themselves with the cases of neglected children coming to their knowledge in their respective districts; to visit each school at least once a day unless otherwise directed by the superintendent; to prevent children from loitering about the school premises to the annoyance and disturbance of the neighborhood; to notify the teachers of all cases of contagious diseases reported by the Board of Health; to be present at any school building, when so directed by the superintendent, during the sessions of the evening schools, or whenever the building is used for any other than day school purposes, to assist in the preservation of good order and in the protection of the property of the city in and about the building. Under the direction of the superintendent they make all complaints at the district court for violation of the public statutes regarding school attendance, and take boys to the Middlesex County Training School when they are sentenced. The school census for the year 1913 was taken by the attendance officers, with the assistance of two men who were acquainted with the work.

The following is a summary of the work of the attendance officers during the school year for September, 1912, to July, 1913:—

|  |        |
|--|--------|
| Whole number of absences investigated .....                                  | 10,293 |
| Truancy, first offence.....  | 614    |
| Truancy, third offence .....   | 108    |
| Truancy, fifth offence or more .....   | 96     |
| Complaints of truants and school offenders .....                             | 1      |
| Truant and school offenders on probation by the court .....                  | 1      |
| Children found wandering about the streets not belonging to any school ..... | 56     |
| Such children sent to school .....   | 48     |
| Visits to mercantile or manufacturing establishments .....                   | 517    |
| Children employed without certificates .....                                 | 70     |

At the meeting of the Board in October, 1913, the superintendent reported the death of Mr. Thomas F. Riley, Special Truant Officer, and in connection with the report submitted the following:

“Since the last meeting of the School Committee, our schools have suffered a great loss indeed in the passing of Thomas F. Riley, our special truant officer, who died September 17.

“In this city of Cambridge, in which he has served for twelve years, no word of mine is necessary to bring home the fact that Cambridge has lost a valuable citizen and a big-hearted man. His life work was with the children. His greatest eulogy is that the children loved him.”

The statistics of the private and parochial schools, obtained by one of the officers, show that there are six parochial schools in this city; and six private schools which receive \$71,840 for tuition. The number of pupils in these schools is as follows:—

|   |       |
|---|-------|
| Parochial schools .....                           | 4,481 |
| Private schools .....                             | 383   |
| <hr/>   |       |
| Total number of pupils not in public schools .... | 4,864 |

SIGHT AND HEARING TESTS

The laws of Massachusetts require the annual testing of the sight and hearing of the pupils in all the public schools. The annual tests of all children except those in the first primary grades and the kindergarten classes were made this year in October. Parents of children found seriously defective were notified as required by law, and many of the cases have received professional treatment.

The percentage of defective vision has been reduced from 17.11 in 1912 to 13.70 in 1913. The percentage of defective hearing has been reduced from 2.75 in 1912 to 1.28 in 1913.

The following is a summary of the tests in sight and hearing for the last two years:—

|                                   | 1912   | 1913   |
|-----------------------------------|--------|--------|
| Number enrolled.....              | 15,080 | 15,345 |
| Number examined .....             | 11,990 | 12,398 |
| Number defective in sight .....   | 2,050  | 1,699  |
| Number defective in hearing ..... | 330    | 215    |
| Number of parents notified .....  | 2,017  | 1,592  |

JANITORS

The following schedule of janitors' salaries was presented to the Board by the Cambridge Schoolhouse Janitors' Association, and was adopted March 25, 1914, to take effect from March 1:—

*To the Honorable School Board of the City of Cambridge, Mass.:*

The Cambridge Schoolhouse Janitors' Association respectfully presents the following schedule for your consideration as the best and fairest method of paying school janitors.



As will be noted in the schedule, but five factors have been used as a basis, viz.:—

#### SECTION 1.

1. Cleaning.
2. Heating, Ventilation and Superintendence.
3. Washing of Windows.
4. Care of Yards and Sidewalks.
5. Care of Lawns.

#### SECTION 2. OTHER FACTORS.

Because many other factors do not appear in this schedule, it does not mean that they have not been paid for, but that in order to get a simple, workable formula the payment has been reduced to the basis of these five, and is established at a rate sufficiently high to cover the compensation for all others.

#### SECTION 3. FLOOR AREA.

Wherever the term "floor area" is used in this schedule, it is intended to include the total area of all floors in class, recitation, dressing and store rooms, laboratories, halls, corridors, stairways, basements, sanitariums, baths, gymnasiums, principal's offices and libraries, and no deduction is to be made for space taken up by heating and ventilation apparatus or for storage space for fuel or supplies. "Floor area," however, does not include attics, nor storage space in attics, above halls or classrooms.

No deductions from the total floor areas of buildings shall be made because portions of the building below the attics are not in use for school purposes, unless such unused areas exceed 7,000 square feet, and such areas shall have been certified by the Superintendent of Schools.

#### SECTION 4. RATES.

It should be thoroughly understood that, no matter how large the building, the compensation for *cleaning* for the first 1,000 square feet shall be at the rate of \$0.051; for the second 1,000 square feet at the rate of \$0.045; for the third 1,000 square feet at the rate of \$0.04, and so on as per schedule up to the total floor area of the building.

In the same way for the *heating, ventilation and superintendence*



of a building of Class A, no matter how large, the compensation for the first 2,000 square feet shall be at the rate of \$0.07; for the next 1,000 at the rate of \$0.06; for the next 1,000 at the rate of \$0.05, and so on as per schedule up to the total floor area of the building.

For the *heating, ventilation and superintendence* of a building of Class B, no matter how large, the compensation for the first 2,000 square feet shall be at the rate of \$0.07; for the next 1,000 at the rate of \$0.06; for the next 1,000 at the rate of \$0.05, and so on as per schedule up to the total floor area of the building.

For the *heating, ventilation and superintendence* of a building of Class C, no matter how large, the compensation for the first 2,000 square feet shall be at the rate of \$0.06; for the next 1,000 at the rate of \$0.05; for the next 1,000 at the rate of \$0.04, and so on as per schedule up to the total floor area of the building.

SECTION 5. CLEANING.

Compensation for cleaning shall be on the basis of the total floor area of the buildings, and at the following rates:—

| Square Feet          | Rate per Square Foot | Total Compensation |
|----------------------|----------------------|--------------------|
| 1,000 .....          | \$0.051              | \$51 00            |
| 2,000 .....          | .045                 | 96 00              |
| 3,000 .....          | .040                 | 136 00             |
| 4,000 .....          | .036                 | 172 00             |
| 5,000 .....          | .032                 | 204 00             |
| 6,000 .....          | .028                 | 232 00             |
| 7,000 .....          | .025                 | 257 00             |
| 8,000 .....          | .023                 | 280 00             |
| 11,000 .....         | .022                 | 346 00             |
| 15,000 .....         | .021                 | 430 00             |
| 19,000 .....         | .020                 | 510 00             |
| 23,000 .....         | .019                 | 586 00             |
| 28,000 .....         | .018                 | 676 00             |
| 33,000 .....         | .017                 | 761 00             |
| 33,000 and over..... | .016                 |                    |

SECTION 6. HEATING, VENTILATION AND SUPERINTENDENCE.

Compensation shall be on the basis of the total floor area. As it is a recognized fact that it requires a higher degree of intelligence and skill to operate and care for the heating and ventilating plants of certain buildings than it does for others, they have been divided into three classes—Class A, Class B and Class C—in the order of such requirements for intelligence and skill, and the compensation has been fixed in such a manner as to recognize this difference.

## SECTION 7. CLASSIFICATION OF BUILDINGS.

The school buildings shall be divided into three classes, as follows:

CLASS A. (1) Buildings in which are installed fans and engines or motors for the main ventilation by the plenum system. (2) Buildings in which are installed fans and engines for the main ventilation by the exhaust system.

These buildings are generally fitted with both the direct and indirect system of steam heating, but in some cases are heated in part by furnaces.

CLASS B. (1) Buildings are heated by steam or hot water, but without fans, engines or motors for the main ventilation. (2) Buildings heated by steam, but with fans and motors for the main ventilation by the exhaust system. (3) Buildings heated wholly by furnaces, but with fans and motors for the main ventilation by the plenum system.

CLASS C. Buildings heated by furnaces or stoves and without fans for the main ventilation.

Buildings in which there are installed two types of heating and ventilating apparatus of substantially equal importance shall be classified according to the superior type of such apparatus.

The classification of buildings shall not be raised above that determined by the main heating and ventilation plant, in consequence of the type of such apparatus installed in sanitariums or in additions to the main building containing not more than three rooms.

## SECTION 8. CLASS A.—HEATING, VENTILATION AND SUPERINTENDENCE.

Compensation for buildings of this class shall be at the following rates:—

| Square Feet           | Rate per Square Foot | Total Compensation |
|-----------------------|----------------------|--------------------|
| 1,000 .....           | \$0.07               | \$70 00            |
| 2,000 .....           | .07                  | 140 00             |
| 3,000 .....           | .06                  | 200 00             |
| 4,000 .....           | .05                  | 250 00             |
| 5,000 .....           | .035                 | 285 00             |
| 6,000 .....           | .02                  | 305 00             |
| 7,000 .....           | .02                  | 325 00             |
| 8,000 .....           | .02                  | 345 00             |
| 9,000 .....           | .019                 | 364 00             |
| 10,000 .....          | .019                 | 383 00             |
| 10,000 and over ..... | .019                 |                    |

SECTION 9. CLASS B.—HEATING, VENTILATION AND SUPERINTENDENCE.

Compensation for buildings of this class shall be at the following rates:—

| Square Feet          | Rate per Square Foot | Total Compensation |
|----------------------|----------------------|--------------------|
| 1,000 .....          | \$0.07               | \$70 00            |
| 2,000 .....          | .07                  | 140 00             |
| 3,000 .....          | .06                  | 200 00             |
| 4,000 .....          | .05                  | 250 00             |
| 5,000 .....          | .03                  | 280 00             |
| 6,000 .....          | .012                 | 292 00             |
| 7,000 .....          | .012                 | 304 00             |
| 8,000 .....          | .012                 | 316 00             |
| 9,000 .....          | .012                 | 326 00             |
| 10,000 .....         | .012                 | 340 00             |
| 10,000 and over..... | .012                 |                    |

SECTION 10. CLASS C.—HEATING, VENTILATION AND SUPERINTENDENCE.

Compensation for buildings of this class shall be at the following rates:—

| Square Feet          | Rate per Square Foot | Total Compensation |
|----------------------|----------------------|--------------------|
| 1,000 .....          | \$0.06               | \$60 00            |
| 2,000 .....          | .06                  | 120 00             |
| 3,000 .....          | .05                  | 170 00             |
| 4,000 .....          | .04                  | 210 00             |
| 5,000 .....          | .03                  | 240 00             |
| 6,000 .....          | .02                  | 260 00             |
| 7,000 .....          | .015                 | 275 00             |
| 8,000 .....          | .01                  | 285 00             |
| 9,000 .....          | .01                  | 295 00             |
| 10,000 .....         | .01                  | 305 00             |
| 10,000 and over..... | .01                  |                    |

SECTION 11. WASHING OF WINDOWS.

Compensation for washing of windows shall be on the basis of the total area of the sashes and at the rate of one-half of one cent (\$0.005) per square foot for one washing on both sides of the glass.

The above rate applies to all windows, transoms, doors, and doors in permanent bookcases in the buildings.



## SECTION 12. CARE OF YARDS AND SIDEWALKS.

Compensation for the care of yards and sidewalks shall be on the basis of their total area and at the rate of two-tenths of one cent (\$0.002) per square foot.

## SECTION 13. CARE OF LAWNS.

Compensation for care of lawns shall be on the basis of their total area and at the rate of three-tenths of one cent (\$0.003) per square foot.

## SECTION 14. CARE AND SUPERVISION OF CHILDREN IN BATHS.

Compensation of janitors for care and supervision of children in baths is not included in this schedule.

## SECTION 15. EXTENDED USE OF SCHOOL BUILDINGS.

This schedule does not include compensation for evening schools, evening centers, vacation schools, playgrounds, lectures and concerts.

## SECTION 16. COMPENSATION FOR A SINGLE BUILDING.

The compensation for the janitor service of a single building shall be arrived at in the following manner: The several amounts determined by applying the five factors of the accompanying schedule to the areas of buildings, windows, yards, sidewalks and lawns shall be added together and such sum shall be the annual compensation for janitor service.

## SECTION 17. COMPENSATION WHERE HEATING APPARATUS IS INCOMPLETE.

The compensation for the janitor service of buildings in which the heating apparatus is not complete, but is supplied by heat from a plant not under the control of the janitor, shall be established in the following manner: Full schedule rate shall be allowed for cleaning, washing of windows, care of yards and sidewalks, and care of lawns; for heating, ventilation and superintendence the compensation shall be at the rate of fifty per cent (50%) of the schedule rate.

## SECTION 18. COMPENSATION FOR SUPERVISING CHILDREN IN BATHS.

The compensation for janitors who are to care for and supervise children in baths, during school hours, shall be \$5.00 per week.

## SECTION 19. MINIMUM WAGE.

We respectfully ask that a minimum wage of salary be adopted as follows:

|   |               |
|---|---------------|
| Buildings of four rooms .....           | \$12 per week |
| Buildings of five or six rooms .....    | 14 per week   |
| Buildings of seven or eight rooms ..... | 17 per week   |

All buildings of nine rooms and over to be paid by the Measurement System, as per accompanying schedule.

## SECTION 20. SPECIAL RATES.

Because of the fact that it requires the services of an engineer in the care of the Latin and Rindge buildings, we respectfully ask that a special rate be adopted as follows:

|  |            |
|--|------------|
| Latin School Janitor, per year .....   | \$2,202 75 |
| Latin School Engineer, per year .....  | 1,196 00   |
| Rindge School Janitor, per year .....  | 1,300 00   |
| Rindge School Engineer, per year ..... | 1,196 00   |

## SECTION 21. COMPENSATION FOR TWO OR MORE BUILDINGS.

The compensation for janitor service in two or more buildings, each containing two or more classrooms, and in charge of the same janitor shall be as per schedule for the first and largest building. For each additional building, full schedule rates shall be allowed for washing of windows, care of yards and sidewalks and care of lawns. For cleaning, heating, ventilation and superintendence of such additional buildings the compensation shall be eighty per cent (80%) of schedule rate.

## SECTION 22. SENIORITY OF SERVICE.

The schedule carries with it the seniority of service and merit system of promotions, viz.: Where a vacancy occurs in the janitor service, such vacancy shall be filled by the appointment of the janitor longest in service, and who shall have applied for it, all things being equal.

## SECTION 23. TRADE SCHOOLS.

Where a school building is used exclusively as a trade school, which will necessitate the janitor service working later than in an

academic school, such school shall be measured up as per schedule and to the annual salary as per schedule shall be added twenty per cent (20%) of the same, the total of both shall be the annual salary for such trade schools.

Respectfully submitted,

CAMBRIDGE SCHOOLHOUSE JANITORS' ASSOCIATION.

In conclusion I would say that the problem that confronts us at the present time is the lack of accommodation in the Cambridge High and Latin School and in the Agassiz district.

I would recommend that some action be taken immediately to relieve the conditions in both of these schools.

Respectfully submitted,

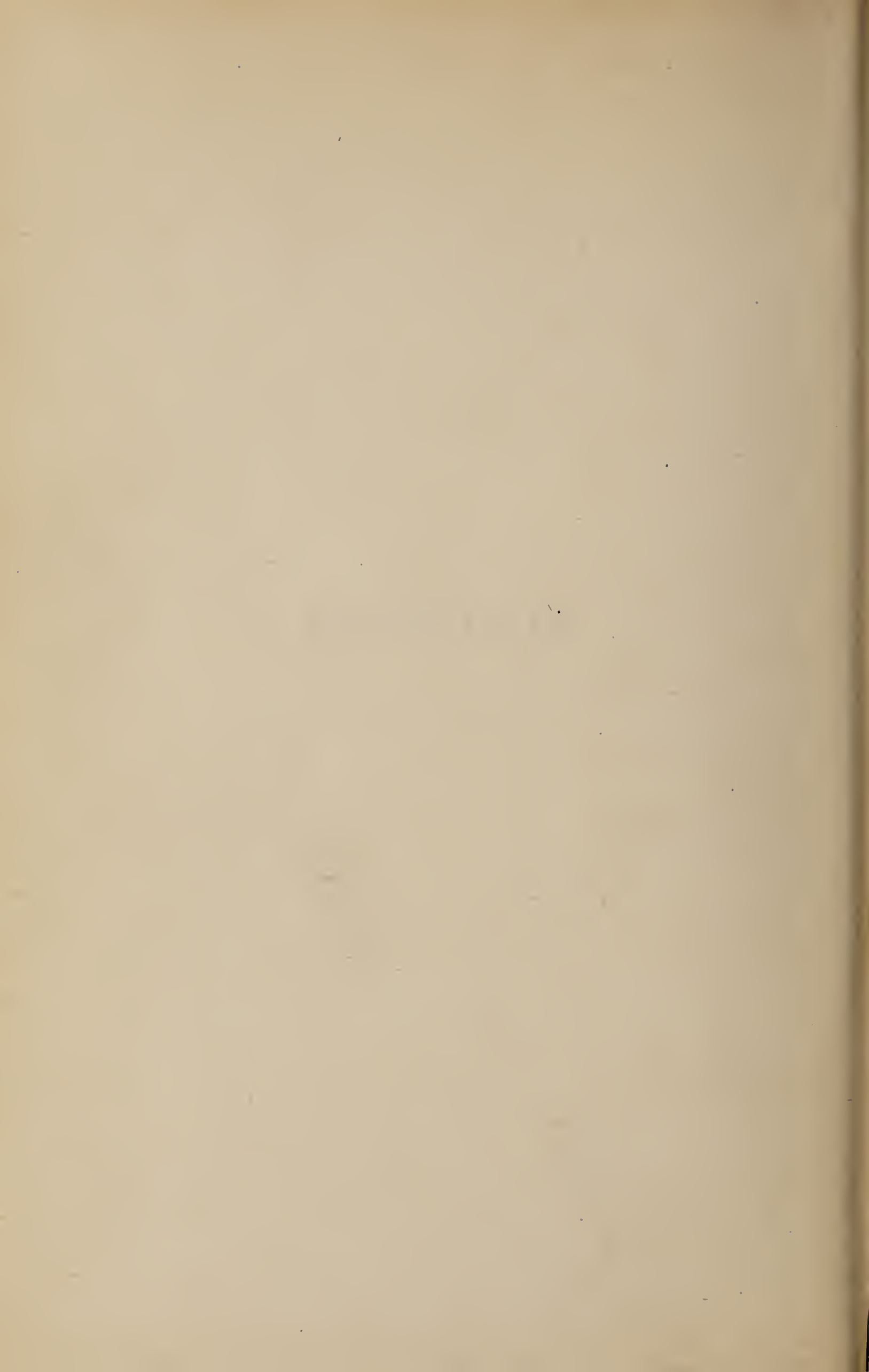
MICHAEL E. FITZGERALD,

*Superintendent of Schools.*





# STATISTICS





## FINANCES

For the financial year from April 1, 1913, to April 1, 1914.

## RECEIPTS

|  |              |
|--|--------------|
| Amounts received from the tax levy under the City Charter.....   | \$560,890 35 |
| Appropriation for the increase of the salaries of teachers ..... | 28,000 00    |
| Revenue .....  | 9,561 21     |
| Brought forward from 1912-1913 .....                             | 371 52       |
| Total amount available for the support of schools .....          | \$598,823 08 |

## EXPENDITURES

|  |              |
|--|--------------|
| Salaries of teachers, all schools .....                        | \$428,490 32 |
| Amount expended for increase of the salaries of teachers ..... | 27,617 28    |
| General expenses .....   | 29,954 90    |
| Text-books and supplies .....                                  | 19,981 62    |
| Transportation of pupils .....                                 | 306 00       |
| Support of truants .....                                       | 788 26       |
| Janitor service.....   | 50,772 19    |
| Janitors' supplies .....                                       | 1,285 78     |
| Care of buildings and grounds .....                            | 5,710 46     |
| Furniture and furnishings .....                                | 625 82       |
| Fuel and light .....   | 22,003 73    |
| Other school expenses .....                                    | 1,353 30     |
| Tuition to other cities .....                                  | 111 90       |
| Total expenditures .....                                       | \$589,001 56 |
| Balance unexpended .....                                       | \$9,821 52   |
| Expended for unpaid bill of 1912-1913 .....                    | 5,006 36     |
| Amount carried forward .....                                   | \$4,815 16   |

## SPECIAL APPROPRIATIONS MADE BY THE CITY COUNCIL

|  |            |
|--|------------|
| Expended for evening baths at the Thorndike School ..... | \$1,018 02 |
| Expended for teachers' pensions .....                    | 6,687 50   |

COST OF INSTRUCTION

From April 1, 1913, to April 1, 1914

| Schools and Officers                          | Cost of Instruction | Average Number of Pupils | Cost per Pupil |
|---|---------------------|--------------------------|----------------|
| High and Latin School .....                   | \$71,866 68         | 1,647                    | \$43 63        |
| Rindge Technical School .....                 | 38,193 46           | 537                      | 71 12          |
| Training School (Teachers) .....              | 21,328 04           | 878                      | 24 29          |
| Grammar Schools .....                         | 165,349 34          | 6,552                    | 25 24          |
| Primary Schools .....                         | 100,398 47          | 4,940                    | 20 32          |
| Kindergartens .....                           | 21,620 70           | 704                      | 30 71          |
| Fresh Air School .....                        | 1,166 94            | .....                    | .....          |
| Trade School .....                            | 5,210 81            | .....                    | .....          |
| Substitute Teachers .....                     | 5,805 38            | .....                    | .....          |
| Department of Drawing .....                   | 2,929 00            | .....                    | .....          |
| Department of Music .....                     | 2,858 75            | .....                    | .....          |
| Manual Training in Grades .....               | 3,983 83            | .....                    | .....          |
| Teachers of Sewing .....                      | 3,417 20            | .....                    | .....          |
| Unassigned Teachers .....                     | 3,001 50            | .....                    | .....          |
| Teacher of Cooking .....                      | 122 50              | .....                    | .....          |
| Superintendent .....                          | 5,000 00            | .....                    | .....          |
| Assistant Superintendent .....                | 2,792 00            | .....                    | .....          |
| Supervisor of Primary Schools .....           | 1,350 00            | .....                    | .....          |
| Agents .....                                  | 2,175 50            | .....                    | .....          |
| Pension for Agent .....                       | 712 00              | .....                    | .....          |
| Clerks .....                                  | 2,978 68            | .....                    | .....          |
| Porter .....                                  | 764 00              | .....                    | .....          |
| Truant Officers .....                         | 5,872 50            | .....                    | .....          |
| Superintendent of Buildings and Grounds ..... | 395 16              | .....                    | .....          |
| Total .....                                   | \$469,292 44        | 15,258                   | \$30 75        |

|   |             |
|---|-------------|
| Cost of Instruction in Evening Drawing Schools .....    | \$749 50    |
| Cost of Instruction in Evening Industrial School .....  | 1,899 50    |
| Cost of Instruction in Evening High School .....        | 2,316 00    |
| Cost of Instruction in Evening Elementary Schools ..... | 6,764 00    |
| Cost of Instruction in Cooking Class .....              | 118 00      |
| Salary of Director of Household Arts .....              | 12 00       |
|   | \$11,859 00 |

|   |          |
|---|----------|
| Cost of Instruction in Vacation Schools .....   | \$196 00 |
| Cost of Instruction in Rindge Technical School, summer sessions for<br>Harvard Students ..... | 800 00   |

COST OF INSTRUCTION IN THE DAY SCHOOLS

Salaries of teachers, superintendent, supervisor, agent, clerks, and truant officers.

| Year | Number of Teachers in December | Number of Pupils in December | Average Number of Pupils for Year Ending in June | Total Cost   | Cost per Pupil |
|------|--------------------------------|------------------------------|--|--------------|----------------|
| 1906 | 455                            | 15,475                       | 14,907   | \$377,343 02 | \$25 31        |
| 1907 | 460                            | 15,580                       | 14,957   | 385,927 00   | 25 80          |
| 1908 | 454                            | 16,019                       | 15,214   | 374,000 99   | 24 58          |
| 1909 | 457                            | 15,895                       | 15,465   | 389,919 31   | 25 21          |
| 1910 | 456                            | 15,633                       | 15,457   | 391,398 56   | 25 32          |
| 1911 | 459                            | 15,328                       | 15,135   | 407,730 84   | 26 94          |
| 1912 | 473                            | 15,502                       | 14,946   | 432,370 47   | 28 93          |
| 1913 | 485                            | 15,909                       | 15,258   | 469,292 44   | 30 75          |

COST OF THE DAY SCHOOLS

Cost of instruction, of text-books and supplies, of incidental expenses, of the care of truants, the care of schoolhouses, and of the transportation of pupils, but not including repairs.

| Year | Number of Teachers in December | Number of Pupils in December | Average Number of Pupils for Year Ending in June | Total Cost   | Cost per Pupil |
|------|--------------------------------|------------------------------|--|--------------|----------------|
| 1906 | 455                            | 15,475                       | 14,907   | \$464,529 43 | \$31 16        |
| 1907 | 460                            | 15,580                       | 14,957   | 488,636 18   | 32 67          |
| 1908 | 454                            | 16,019                       | 15,214   | 477,286 82   | 31 37          |
| 1909 | 457                            | 15,895                       | 15,465   | 489,712 68   | 31 66          |
| 1910 | 456                            | 15,633                       | 15,457   | 492,579 06   | 31 86          |
| 1911 | 459                            | 15,328                       | 15,135   | 508,168 85   | 33 58          |
| 1912 | 473                            | 15,502                       | 14,946   | 535,683 13   | 35 84          |
| 1913 | 485                            | 15,909                       | 15,258   | 566,215 45   | 37 11          |

COST OF INSTRUCTION IN THE EVENING SCHOOLS

| Year | Drawing    | Industrial | High       | Elementary | Director | Total       |
|------|------------|------------|------------|------------|----------|-------------|
| 1910 | \$1,197 00 | \$1,309 00 | \$1,585 00 | \$7,062 00 | \$315 00 | \$11,468 00 |
| 1911 | 936 00     | 1,218 00   | 1,600 00   | 6,832 00   | 300 00   | 10,886 00   |
| 1912 | 819 00     | 1,809 50   | 2,231 00   | 7,492 75   | 400 00   | 12,752 25   |
| 1913 | 749 00     | 1,899 50   | 2,316 00   | *6,894 00  | .....    | 11,859 00   |

\*Including the cooking class, etc.



GENERAL STATISTICS

POPULATION OF CAMBRIDGE

|                       |        |           |         |
|-----------------------|--------|-----------|---------|
| 1865 .....            | 29,112 | 1895..... | 81,643  |
| 1875 .....            | 47,838 | 1905..... | 97,434  |
| 1885 .....            | 59,600 | 1910..... | 104,391 |
| 1913, estimated ..... |        | 110,000   |         |

SCHOOL CENSUS

Number of children in the city five years old or more, but less than fifteen:

|  |        |
|--|--------|
| Number of children in the city between five and fifteen: boys, 8,438; girls, 8,572 ..... | 17,010 |
| Number in public schools between five and fifteen .....                                  | 12,335 |
| Number in private schools between five and fifteen.....                                  | 4,126  |
| Number not attending between five and fifteen .....                                      | 549    |
| Number in the city between five and six .....  | 1,785  |
| Number in the city between seven and fourteen: boys, 5,958; girls, 6,033.                | 11,991 |

SCHOOLS AND CLASSROOMS

December, 1913

|  |    |                         |     |
|--|----|-------------------------|-----|
| <i>a</i> High and Latin School .....                 | 1  | Classrooms in use ..... | 40  |
| <i>b</i> Rindge Technical School .....               | 1  | " " " .....             | 18  |
| <i>c</i> Grammar Schools .....                       | 3  | " " " .....             | 41  |
| <i>d</i> Grammar and Primary Schools ....            | 15 | " " " .....             | 201 |
| Primary Schools .....                                | 11 | " " " .....             | 59  |
| Kindergartens .....                                  | 17 | " " " .....             | 17  |
| Trade School .....                                   | 1  | " " " .....             | 4   |
| Open Air Rooms .....                                 | 3  | " " " .....             | 3   |
| Special Classes .....                                | 4  | " " " .....             | 4   |
| Evening Industrial School.....                       | 1  | " " " .....             | 6   |
| Evening Drawing Schools .....                        | 2  | " " " .....             | 3   |
| Evening High School .....                            | 1  | " " " .....             | 18  |
| Evening Elementary Schools .....                     | 6  | " " " .....             | 51  |
| Whole number of Day Schools.....                     |    |                         | 49  |
| Whole number of classrooms for Day Schools.....      |    |                         | 387 |
| Whole number of Evening Schools .....                |    |                         | 10  |
| Whole number of classrooms for Evening Schools ..... |    |                         | 78  |

*a* This school occupies two buildings and has assembly halls, libraries, lecture rooms, recitation rooms, chemical and physical laboratories, a drawing room and a gymnasium.  
*b* This school occupies three buildings and has an assembly hall, drawing rooms, recitation rooms, chemical, electrical and physical laboratories, and rooms for various kinds of shop work.  
*c* These have assembly halls.  
*d* Eleven of these have assembly halls.

## NUMBER OF TEACHERS IN THE DAY SCHOOLS

| December | High and Latin School | Rindge Technical School | Elementary Schools | Kinder-gartens | Trade School | Directors and Special Teachers | Total |
|----------|-----------------------|-------------------------|--------------------|----------------|--------------|--------------------------------|-------|
| 1908     | 50                    | 24                      | 344                | 30             | ...          | 9                              | 454   |
| 1909     | 47                    | 24                      | 346                | 30             | ...          | 10                             | 457   |
| 1910     | 47                    | 24                      | 340                | 30             | ...          | 15                             | 456   |
| 1911     | 54                    | 27                      | 335                | 28             | ...          | 15                             | 459   |
| 1912     | 64                    | 27                      | 340                | 28             | ...          | 14                             | 473   |
| 1913     | 63                    | 28                      | 348                | 29             | 5            | 12                             | 485   |

## ATTENDANCE AT ALL THE DAY SCHOOLS

| Year | Number Registered |       |        | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|--------|--------------------------|--------------------------|------------------------|
|      | Boys              | Girls | Total  |                          |                          |                        |
| 1909 | 8,923             | 8,508 | 17,431 | 15,465                   | 14,414                   | 93.2                   |
| 1910 | 8,903             | 8,253 | 17,156 | 15,457                   | 14,376                   | 93.0                   |
| 1911 | 8,696             | 8,137 | 16,833 | 15,135                   | 14,137                   | 93.4                   |
| 1912 | 8,765             | 8,112 | 16,877 | 14,946                   | 13,944                   | 93.3                   |
| 1913 | 8,813             | 8,334 | 17,147 | 15,258                   | 14,105                   | 92.5                   |

## ATTENDANCE AT THE HIGH AND LATIN SCHOOL

| Year | Number Registered |       |        | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|--------|--------------------------|--------------------------|------------------------|
|      | Boys              | Girls | Total  |                          |                          |                        |
| 1909 | 257               | 922   | 1,179  | 1,052                    | 1,009                    | 95.6                   |
| 1910 | 236               | 852   | 1,088  | 994                      | 956                      | 96.2                   |
| 1911 | 335               | 1,073 | *1,408 | 1,226                    | 1,177                    | 96.0                   |
| 1912 | 470               | 1,250 | †1,720 | 1,487                    | 1,430                    | 96.1                   |
| 1913 | 587               | 1,188 | ‡1,775 | 1,647                    | 1,545                    | 93.6                   |

\* This number includes 185 that entered the school in February.

† This number includes 209 that entered the school in February.

‡ This number includes 68 that entered the school in February.

ATTENDANCE AT THE RINDGE TECHNICAL SCHOOL

| Year | Number of Pupils Registered | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-----------------------------|--------------------------|--------------------------|------------------------|
| 1909 | 603                         | 538                      | 511                      | 95.0                   |
| 1910 | 623                         | 549                      | 522                      | 94.9                   |
| 1911 | *705                        | 587                      | 557                      | 94.8                   |
| 1912 | †699                        | 584                      | 550                      | 94.1                   |
| 1913 | ‡645                        | 537                      | 507                      | 94.4                   |

\* This number includes 85 that entered the school in February.  
† This number includes 73 that entered the school in February.  
‡ This number includes 68 that entered the school in February.

ATTENDANCE AT THE GRAMMAR SCHOOLS

| Year | Number Registered |       |       | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
|      | Boys              | Girls | Total |                          |                          |                        |
| 1909 | 4,165             | 4,026 | 8,191 | 7,500                    | 7,124                    | 94.9                   |
| 1910 | 4,218             | 4,036 | 8,254 | 7,569                    | 7,142                    | 94.3                   |
| 1911 | 4,205             | 3,959 | 8,164 | 7,665                    | 7,271                    | 94.9                   |
| 1912 | 3,985             | 3,790 | 7,775 | 7,356                    | 6,926                    | 94.2                   |
| 1913 | 3,970             | 3,846 | 7,816 | 7,105                    | 6,972                    | 93.9                   |

ATTENDANCE AT THE PRIMARY SCHOOLS

| Year | Number Registered |       |       | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
|      | Boys              | Girls | Total |                          |                          |                        |
| 1909 | 3,382             | 3,027 | 6,409 | 5,610                    | 5,148                    | 91.7                   |
| 1910 | 3,338             | 2,892 | 6,230 | 5,613                    | 5,162                    | 92.0                   |
| 1911 | 3,128             | 2,783 | 5,911 | 4,970                    | 4,575                    | 92.0                   |
| 1912 | 2,997             | 2,554 | 5,551 | 4,548                    | 4,218                    | 92.7                   |
| 1913 | 3,220             | 2,821 | 6,041 | 5,265                    | 4,797                    | 91.1                   |



## ATTENDANCE AT THE KINDERGARTENS

| Year | Number Registered |       |       | Average Number Belonging | Average Daily Attendance | Per cent of Attendance |
|------|-------------------|-------|-------|--------------------------|--------------------------|------------------------|
|      | Boys              | Girls | Total |                          |                          |                        |
| 1909 | 516               | 533   | 1,049 | 765                      | 622                      | 81.3                   |
| 1910 | 488               | 473   | 961   | 732                      | 594                      | 81.1                   |
| 1911 | 465               | 450   | 915   | 687                      | 557                      | 81.0                   |
| 1912 | 749               | 665   | 1,414 | 971                      | 820                      | 84.0                   |
| 1913 | 484               | 522   | 1,006 | 704                      | 584                      | 82.8                   |

## NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE HIGH AND LATIN SCHOOL

| Year      | Boys | Average Age                  | Girls | Average Age       |
|-----------|------|------------------------------|-------|-------------------|
| 1909      | 60   | 14 years 3 months            | 278   | 14 years 7 months |
| 1910      | 100  | 14 years 6 months            | 338   | 14 years 8 months |
| 1911 Feb. | 57   | 14 years $\frac{1}{2}$ month | 128   | 14 years 1 month  |
| Sept.     | 106  | 14 years 3 months            | 350   | 14 years 6 months |
| 1912 Feb. | 62   | 13 years 9 months            | 147   | 14 years 4 months |
| Sept.     | 165  | 14 years 6 months            | 265   | 14 years 3 months |
| 1913 Feb. | 25   | 13 years 11 months           | 43    | 14 years 1 month  |
| Sept.     | 163  | 13 years 7 months            | 361   | 14 years 5 months |

## NUMBER OF PUPILS GRADUATED FROM THE HIGH AND LATIN SCHOOL

| Year | Boys | Average Age        | Girls | Average Age       |
|------|------|--------------------|-------|-------------------|
| 1909 | 23   | 18 years 7 months  | 105   | 18 years 7 months |
| 1910 | 18   | 18 years 7 months  | 109   | 18 years 7 months |
| 1911 | 56   | 18 years 3 months  | 146   | 18 years 4 months |
| 1912 | 41   | 17 years 11 months | 131   | 18 years 2 months |
| 1913 | 49   | 18 years 3 months  | 146   | 18 years 4 months |

NUMBER OF PUPILS ADMITTED TO THE LOWEST GRADE OF THE RINDGE TECHNICAL  
SCHOOL, WITH THE NUMBER OF GRADUATES

| Year      | Admitted | Average Age        | Graduated<br>in June | Average Age       |
|-----------|----------|--------------------|----------------------|-------------------|
| 1909      | 208      | 14 years 9 months  | 66                   | 18 years 9 months |
| 1910      | 219      | 15 years 2 months  | 68                   | 18 years 1 month  |
| 1911 Feb. | 85       | 14 years 2 months  | 83                   | 17 years 7 months |
| Sept.     | 218      | 14 years 8 months  |                      |                   |
| 1912 Feb. | 73       | 14 years 8 months  | 62                   | 18 years 5 months |
| Sept.     | 148      | 14 years 8 months  |                      |                   |
| 1913 Feb. | 68       | 14 years 10 months | 63                   | 18 years 6 months |
| Sept.     | 172      | 14 years 11 months |                      |                   |

NUMBER OF PUPILS GRADUATED FROM THE GRAMMAR SCHOOLS

| Year      | Boys | Average Age       | Girls | Average Age        |
|-----------|------|-------------------|-------|--------------------|
| 1909      | 345  | 14 years 9 months | 411   | 14 years 9 months  |
| 1910      | 452  | 14 years 8 months | 429   | 14 years 11 months |
| 1911 Feb. | 153  | 14 years 2 months | 128   | 14 years 0 months  |
| June      | 345  | 14 years 7 months | 389   | 14 years 7 months  |
| 1912 Feb. | 157  | 14 years 3 months | 148   | 14 years 5 months  |
| June      | 294  | 14 years 3 months | 293   | 14 years 6 months  |
| 1913 Feb. | 54   | 14 years 7 months | 52    | 14 years 5 months  |
| June      | 315  | 14 years 6 months | 367   | 14 years 6 months  |

NUMBER OF PUPILS COMPLETING THE PRIMARY COURSE OF STUDY

| Years | Boys | Average Age      | Girls | Average Age      |
|-------|------|------------------|-------|------------------|
| 1909  | 798  | 9 years 5 months | 718   | 9 years 5 months |
| 1910  | 765  | 9 years 5 months | 731   | 9 years 4 months |
| 1911  | 672  | 9 years 4 months | 667   | 9 years 1 month  |
| 1912  | 679  | 9 years 4 months | 586   | 9 years 2 months |
| 1913  | 713  | 9 years 6 months | 629   | 9 years 7 months |

## LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE GRAMMAR SCHOOLS

| Year | In 3½ or 4 years | In 4½ or 5 years | In 5½ or 6 years | In 6½ years or more |
|------|------------------|------------------|------------------|---------------------|
| 1909 | 6 per cent       | 21 per cent      | 54 per cent      | 19 per cent         |
| 1910 | 6 per cent       | 26 per cent      | 52 per cent      | 16 per cent         |
| 1911 | 9 per cent       | 28 per cent      | 50 per cent      | 13 per cent         |
| 1912 | 12 per cent      | 36 per cent      | 43 per cent      | 9 per cent          |
| 1913 | 14 per cent      | 42 per cent      | 36 per cent      | 8 per cent          |

## LENGTH OF TIME IN COMPLETING THE COURSE OF STUDY IN THE PRIMARY SCHOOLS

| Year | In less than 3 years | In 3 years  | Between 3 and 4 years | In 4 years  | In more than 4 years |
|------|----------------------|-------------|-----------------------|-------------|----------------------|
| 1909 | 4 per cent           | 61 per cent | 4 per cent            | 22 per cent | 9 per cent           |
| 1910 | 4 per cent           | 65 per cent | 3 per cent            | 20 per cent | 8 per cent           |
| 1911 | 30 per cent          | 36 per cent | 13 per cent           | 13 per cent | 8 per cent           |
| 1912 | 21 per cent          | 40 per cent | 16 per cent           | 12 per cent | 11 per cent          |
| 1913 | 13 per cent          | 47 per cent | 11 per cent           | 18 per cent | 11 per cent          |

## NUMBER OF PUPILS IN THE HIGH AND LATIN SCHOOL, DECEMBER, 1913

| Year                 | Boys | Girls | Total | Per cent |
|----------------------|------|-------|-------|----------|
| Post Graduates ..... | 18   | 21    | 39    | .022     |
| Twelfth .....        | 65   | 153   | 218   | .125     |
| Eleventh A .....     | 41   | 91    | 132   | .076     |
| Eleventh .....       | 57   | 133   | 190   | .109     |
| Tenth A .....        | 55   | 131   | 186   | .107     |
| Tenth .....          | 104  | 187   | 291   | .167     |
| Ninth A .....        | 52   | 88    | 140   | .081     |
| Ninth .....          | 173  | 373   | 546   | .313     |
| Total.....           | 565  | 1,177 | 1,742 | .        |



## NUMBER OF PUPILS IN THE RINDGE TECHNICAL SCHOOL, DECEMBER, 1913

| Year             | Boys |   | Per cent |
|------------------|------|---|----------|
| Twelfth .....    | 82   | This school is for boys only. It became a part of the public school system January 1, 1899. | .152     |
| Eleventh A ..... | 42   |   | .078     |
| Eleventh .....   | 80   |   | .148     |
| Tenth A .....    | 31   |   | .057     |
| Tenth .....      | 90   |   | .166     |
| Ninth A .....    | 37   |   | .068     |
| Ninth .....      | 179  |   | .331     |
| Total .....      | 541  |   |          |

## NUMBER OF PUPILS IN THE GRAMMAR SCHOOLS, DECEMBER, 1913

| Year          | Boys  | Girls | Total | Per cent |
|---------------|-------|-------|-------|----------|
| Eighth .....  | 497   | 555   | 1,052 | .148     |
| Seventh ..... | 658   | 709   | 1,367 | .193     |
| Sixth .....   | 805   | 766   | 1,571 | .223     |
| Fifth .....   | 798   | 719   | 1,517 | .215     |
| Fourth .....  | 539   | 714   | 1,553 | .220     |
| Total .....   | 3,597 | 3,463 | 7,060 | ....     |

## NUMBER OF PUPILS IN THE PRIMARY SCHOOLS, DECEMBER, 1913

| Year         | Boys  | Girls | Total | Per cent |
|--------------|-------|-------|-------|----------|
| Third .....  | 763   | 653   | 1,416 | .253     |
| Second ..... | 1,016 | 819   | 1,835 | .327     |
| First .....  | 1,214 | 1,142 | 2,356 | .420     |
| Total .....  | 2,993 | 2,614 | 5,607 | ....     |

## NUMBER OF PUPILS AND TEACHERS IN THE KINDERGARTENS

| Year | Boys | Girls | Total | Number of Teachers |
|------|------|-------|-------|--------------------|
| 1909 | 406  | 390   | 796   | 30                 |
| 1910 | 381  | 376   | 757   | 30                 |
| 1911 | 606  | 503   | 1,109 | 28                 |
| 1912 | 371  | 424   | 795   | 28                 |
| 1913 | 377  | 368   | 745   | 29                 |

NUMBER OF PUPILS IN THE TRADE SCHOOL, THE OPEN AIR ROOMS AND THE SPECIAL CLASSES

December, 1913

| School                | Boys | Girls | Total | Number of Teachers |
|-----------------------|------|-------|-------|--------------------|
| Trade School .....    | ..   | 72    | 72    | 5                  |
| Open Air Rooms .....  | 31   | 29    | 60    | 3                  |
| Special Classes ..... | 46   | 36    | 82    | 4                  |

SUMMARY

December, 1913

|  |        |
|--|--------|
| Number of pupils in the High and Latin School .....          | 1,742  |
| Number of pupils in the Rindge Technical School .....        | 541    |
| Number of pupils in the Grammar Schools .....                | 7,060  |
| Number of pupils in the Primary Schools .....                | 5,607  |
| Number of pupils in the Kindergartens .....                  | 745    |
| Number of pupils in the Trade School for Girls .....         | 72     |
| Number of pupils in the Open Air Rooms .....                 | 60     |
| Number of pupils in the Special Classes .....                | 82     |
| Number of pupils in the public schools, December, 1913 ..... | 15,909 |
| Number of pupils in the public schools, December, 1912 ..... | 15,502 |
| Increase of pupils, December, 1913 .....                     | 407    |

|                                |     |
|--------------------------------|-----|
| Increase of pupils, 1902 ..... | 252 |
| Increase of pupils, 1903 ..... | 188 |
| Increase of pupils, 1904 ..... | 140 |
| Increase of pupils, 1905 ..... | 289 |
| Increase of pupils, 1906 ..... | 111 |
| Increase of pupils, 1907 ..... | 105 |
| Increase of pupils, 1908 ..... | 439 |
| Decrease of pupils, 1909 ..... | 124 |
| Decrease of pupils, 1910 ..... | 262 |
| Decrease of pupils, 1911 ..... | 305 |
| Increase of pupils, 1912 ..... | 174 |
| Increase of pupils, 1913 ..... | 407 |

NUMBER OF PUPILS REGISTERED IN THE EVENING DRAWING SCHOOLS, WITH THE  
AVERAGE ATTENDANCE

|                          | 1910-1911 | 1911-1912 | 1912-1913 | 1913-1914 |
|--------------------------|-----------|-----------|-----------|-----------|
| Number registered .....  | 174       | 121       | 98        | 147       |
| Average attendance ..... | 70        | 60        | 53        | 57        |

NUMBER OF PUPILS REGISTERED IN THE EVENING INDUSTRIAL SCHOOL, WITH THE  
AVERAGE ATTENDANCE

|                          | 1910-1911 | 1911-1912 | 1912-1913 | 1913-1914 |
|--------------------------|-----------|-----------|-----------|-----------|
| Number registered .....  | 107       | 109       | 183       | 303       |
| Average attendance ..... | 51        | 55        | 87        | 97        |

NUMBER OF PUPILS REGISTERED IN THE EVENING HIGH SCHOOL, WITH THE AVERAGE  
ATTENDANCE

|                          | 1910-1911 | 1911-1912 | 1912-1913 | 1913-1914 |
|--------------------------|-----------|-----------|-----------|-----------|
| Number registered .....  | 315       | 297       | 483       | 692       |
| Average attendance ..... | 156       | 159       | 270       | 379       |

NUMBER OF PUPILS REGISTERED IN THE EVENING ELEMENTARY SCHOOLS, WITH  
THE AVERAGE ATTENDANCE

|                          | 1910-1911 | 1911-1912 | 1912-1913 | 1913-1914 |
|--------------------------|-----------|-----------|-----------|-----------|
| Number registered .....  | 1,961     | 2,156     | 2,989     | 3,573     |
| Average attendance ..... | 704       | 869       | 1,132     | 1,729     |



NUMBER OF PUPILS IN THE PRIVATE SCHOOLS IN CAMBRIDGE, INCLUDING THOSE  
IN THE PAROCHIAL SCHOOLS

| 1908  | 1909  | 1910  | 1911  | 1912  | 1913  |
|-------|-------|-------|-------|-------|-------|
| 4,014 | 4,128 | 4,157 | 4,272 | 4,472 | 4,864 |

NUMBER OF AGE AND SCHOOLING CERTIFICATES ISSUED

| 1908        | 1909        | 1910        | 1911        | 1912          | 1913            |
|-------------|-------------|-------------|-------------|---------------|-----------------|
| 636<br>*538 | 913<br>*556 | 870<br>*285 | 853<br>*593 | 752<br>*1,080 | 1,671<br>*4,806 |

\* Issued to minors over sixteen years of age.

## REMARKS ON THE STATISTICS

The number of pupils registered in the day schools during the school year ending June, 1913, was 17,147, an increase of 270 over the preceding year; the average number belonging was 15,258, an increase of 312; and the average attendance was 14,105, an increase of 161. The number of pupils in the day schools in December was 15,909, an increase of 407.

The cost of instruction for the day schools for the financial year from April 1, 1913, to April 1, 1914, which includes the salaries of teachers, superintendents, supervisor, agent, secretary, clerks and truant officers, was \$469,292.44. The total cost of the day schools, which includes the cost of instruction, text-books and supplies, incidental expenses, care of truants, care of buildings, including fuel and light, and the transportation of pupils, was \$566,215.45.

The registration in the evening schools during the term from October 15, 1913, to the week beginning March 16, 1914, was 4,023, an increase of 212 over the preceding year; the average number belonging was 2,344, an increase of 252; and the average attendance was 1,883, an increase of 323. The total cost of these schools, which includes the cost of instruction, text-books and supplies, and the care of buildings, including heat and light, was \$16,794.96.

CONTAGIOUS DISEASES REPORTED BY THE BOARD OF HEALTH  
TO THE SCHOOL DEPARTMENT, 1913

|                        | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|------------------------|---------|----------|-------|-------|-----|------|------|--------|-----------|---------|----------|----------|-------|
| Diphtheria ..          | 24      | 14       | 26    | 20    | 27  | 13   | 18   | 5      | 17        | 22      | 18       | 15       | 219   |
| Scarlet Fever          | 10      | 10       | 15    | 15    | 7   | 7    | 3    | 3      | 6         | 11      | 12       | 30       | 129   |
| Measles.....           | 58      | 75       | 262   | 267   | 216 | 126  | 34   | 9      | 2         | 1       | 6        | 29       | 1,085 |
| Chicken Pox.           | 44      | 46       | 26    | 19    | 14  | 12   | 2    |        | 1         | 7       | 22       | 35       | 228   |
| Whooping<br>Cough..... | 16      | 5        | 33    | 9     | 6   | 2    | 16   | 14     | 11        | 5       | 37       | 42       | 196   |
| Totals ..              | 152     | 150      | 362   | 330   | 270 | 160  | 73   | 31     | 37        | 46      | 95       | 151      | 1,857 |



## TABULAR VIEW

Teachers in Service, April, 1914

| Schools and Teachers         | Year        | Where Graduated<br>Highest Institution<br>(Also other Courses) | Date of<br>Appoint-<br>ment |
|------------------------------|-------------|--|-----------------------------|
| <b>High and Latin School</b> |             |  |                             |
| Leslie L. Cleveland          | Head Master | Williams College, A.B.   | Jan. 1910                   |
| Chester M. Bliss             |             | Amherst College, A.B., A.M.                                    | Sept. 1907                  |
| Thomas L. Bramhall           |             | Harvard University, A.B.                                       | Sept. 1910                  |
| George H. Cain               |             | Potomac College, A.B.  | Sept. 1909                  |
| Percy C. Campbell            |             | Bates College, A.B.  | Sept. 1911                  |
| Joseph A. Coolidge           |             | Harvard University, A.B., A.M.                                 | Mar. 1892                   |
| Cecil T. Derry               |             | Harvard University, A.B., A.M.                                 | Oct. 1905*                  |
| Timothy F. Downey            |             | Harvard University, A.B.                                       | Sept. 1912                  |
| Walter L. Leighton           |             | Harvard University, A.B., A.M.                                 |                             |
|                              |             | Univ. of Va., Ph.D.  | Sept. 1912                  |
| Daniel V. O'Flaherty         |             | Harvard University, A.B.                                       | Sept. 1912                  |
| Helen M. Albee               |             | Radcliffe College, A.B., A.M.                                  | Sept. 1885                  |
| Alice C. Baldwin             |             | Wellesley College, A.B.  | Sept. 1895                  |
| Margaret M. Ball             |             | Lawrence University, Wis., A.B.                                | Feb. 1912                   |
| Margaret S. Bradbury         |             | Radcliffe College, A.B.  | Jan. 1902                   |
| Alice M. Brown               |             | Normal School of Gymnastics (Special Courses)                  | Sept. 1910                  |
|                              |             | (Private schools and studied abroad)                           | Sept. 1899                  |
| Isabel S. Burton             |             | Radcliffe College, A.B.  | Sept. 1908                  |
| Ethel E. Carr                |             | Radcliffe College, A.B.  | Sept. 1900                  |
| Alice D. Chamberlain         |             | Cambridge Training School. (Special Courses)                   | Nov. 1874                   |
| Caroline Close               |             | Boston University, A.B., A.M.                                  | Jan. 1894                   |
| Bertha L. Cogswell           |             | Boston Univ., A.B., Radcliffe College, A.M.                    | Sept. 1896                  |
| Gertrude H. Crook            |             | Maine Seminary. (Courses abroad and at Radcliffe College)      | Feb. 1892                   |
| Grace L. Deering             |             | Radcliffe College, A.M., Simmons College, S.B.                 | Sept. 1907                  |
| Grace E. Dennett             |             | Boston University, A.B.  | Oct. 1897                   |
| Esther S. Dodge              |             | Boston Normal Art School. (Special Courses)                    | Oct. 1912                   |
| Margaret M. Dowd             |             | (Special Courses and studied abroad)                           | Oct. 1888                   |
| Caroline Drew                |             | Boston University, A.B.  | Mar. 1914                   |
| Elizabeth M. Driscoll        |             | Smith College, A.B.  | Sept. 1910                  |
| Sara L. Fisher               |             | Framingham Normal School. (Courses at Radcliffe)               | Sept. 1905                  |
| Elizabeth B. Flanders        |             | Boston University, A.B.  | Feb. 1913                   |
| Louise A. Forrest            |             | Radcliffe College, A.B.  | Nov. 1909                   |
| Florence H. French           |             | Radcliffe College, A.B., A.M.                                  | Sept. 1903                  |
| Margaret J. Griffith         |             | Radcliffe College, A.B.  | Feb. 1912                   |
| Louise A. Hannon             |             | Smith College, A.B.  | Dec. 1891                   |
| Mary C. Hardy†               |             | Boston University, A.B.  | Sept. 1911                  |
| Miriam H. Harris             |             | Radcliffe College, A.B., A.M.                                  | Sept. 1905                  |
| Elizabeth L. Huling          |             | Radcliffe College, A.B., A.M.                                  | Sept. 1904                  |
| Ellen P. Huling†             |             | Salem Normal School  | Sept. 1911                  |
| Mabel F. Ivers               |             | Wellesley College, A.B.  | Feb. 1911                   |
| Sarah W. Kelly               |             | Radcliffe College, A.B.  | Sept. 1892                  |
| Maud A. Lawson               |             | Trinity College, Washington, A.B.                              | Sept. 1909                  |
| Helen G. Linehan             |             |  |                             |

\* Resigned June, 1911, and reappointed September, 1912.

† On leave of absence for study or travel in accordance with the Rules of the School Committee.

‡ Died April 25, 1914.

TABULAR VIEW—Continued

| Schools and Teachers              | Year          | Where Graduated<br>Highest Institution<br>(Also other Courses)                     | Date of<br>Appoint-<br>ment |
|-----------------------------------|---------------|--|-----------------------------|
| <b>High and Latin School—Con.</b> |               |  |                             |
| E. Josephine Martin               |               | Boston University, A.B.  | Feb. 1912                   |
| Gertrude M. Mason                 |               | Gorham, Me., Normal School, Bryant and Stratton's Com. College, Springfield, Mass. | Feb. 1912                   |
| Ethel G. McElroy                  |               | Radcliffe College, A.B., A.M.  | Sept. 1911                  |
| Henrietta E. McIntire             |               | Radcliffe College, A.B., A.M.  | Sept. 1891                  |
| Mary L. McSweeney                 |               | Radcliffe College, A.B.°   | Sept. 1913                  |
| Mary Moulton†                     |               | (Attended Wellesley College 3 years. Special courses and studied abroad)           | Sept. 1890                  |
| Louisa P. Parker                  |               | Westfield Normal School. (Courses at Radcliffe College)                            | Mar. 1881                   |
| Helen N. Parsons                  |               | Smith College, A.B.  | Feb. 1911                   |
| Clessie P. Putnam                 |               | Bay Path Institute, N.B. Forbes Library Training Class, Northampton, Mass.         | Sept. 1911                  |
| Lillian C. Rogers                 |               | Boston University, A.B.  | Sept. 1893                  |
| Eva M. Ruggli                     |               | Radcliffe College, A.B.  | Feb. 1912                   |
| Ethel V. Sampson                  |               | Radcliffe College, A.B.  | Sept. 1899                  |
| Olive K. Ryan                     |               | Tufts College, A.B.  | Sept. 1911                  |
| Caroline A. Sawyer                |               | Boston Univ., A.B. Radcliffe College, A.M.   | Sept. 1886                  |
| Florence W. Smith                 |               | Radcliffe College, A.B.  | Sept. 1897                  |
| Martha R. Smith                   |               | Boston Normal School. (Courses at Harvard and private courses)                     | Jan. 1882                   |
| Delia M. Stickney                 |               | Institute of Technology, S.B.  | Sept. 1888                  |
| Jennie S. Spring                  |               | Smith College, A.B.  | Mar. 1886                   |
| Annie F. Stratton                 |               | Radcliffe College, A.B.  | Sept. 1899                  |
| Helen A. Taff                     |               | Radcliffe College, A.B.  | Sept. 1910                  |
| Mabel D. Watson                   |               | Radcliffe College, A.B.  | Sept. 1901                  |
| Lucy T. White                     |               | Sargent School for Physical Education  | Apr. 1913                   |
| Alice S. Willoughby               |               | Mass. Normal Art School. (Radcliffe College 1 year)                                | Mar. 1914                   |
| Martha L. Babbitt                 | Sec. and Lib. | Cambridge Training School  | May 1887                    |
| Mary R. McCarthy                  | Sec. and Lib. | Radcliffe College  | Sept. 1912                  |
| <b>Rindge Technical School</b>    |               |  |                             |
| John W. Wood, Jr.                 | Head Master   | Harvard University, S.B.   | Jan. 1899                   |
| Myra I. Ellis                     |               | Cambridge Training School. (Berlin University)                                     | Feb. 1878                   |
| Anna P. Butler                    |               | Trinity College, Washington, A.B.°   | Sept. 1909                  |
| Helen W. Metcalf                  |               | Mt. Holyoke College, A.B.  | Sept. 1898                  |
| Gertrude B. Rogers                |               | (Attended Colby College 2 years). Tufts College 2 years, A.B.                      | Feb. 1911                   |
| Anna R. Ward                      |               | Indiana State University, A.B.   | Sept. 1909                  |
| Florence Waugh                    |               | Radcliffe College, A.B., A.M.  | Sept. 1907                  |
| Ingolf V. Bockmann                |               | Norway Technical School. (Attended Sloyd schools)                                  | Feb. 1911                   |
| Otis H. Bramhall                  |               | Harvard University, A.B.   | Apr. 1908                   |
| Winburn S. Cannell                |               | Tufts College, A.B.  | Sept. 1908                  |
| James F. Conlin                   |               | Harvard University, A.B., A.M.   | Feb. 1905                   |

° Attended the Wellington Training School.

† On leave of absence for study or travel in accordance with the Rules of the School Committee.



TABULAR VIEW—Continued

| Schools and Teachers                | Grade     | Where Graduated<br>Highest Institution<br>(Also other Courses)    | Date of Appoint-<br>ment |
|-------------------------------------|-----------|---|--------------------------|
| <b>Rindge Technical School—Con.</b> |           |   |                          |
| Joseph B. Davison                   |           | Malden High School  | Apr. 1909                |
| Raymond A. Fitzgerald               |           | Harvard College, B.S.   | Sept. 1913               |
| George H. Gohlke                    |           | University of Wisconsin, B.L.                                     | Sept. 1911               |
| Evan W. Griffiths                   |           | Harvard University, A.B., A.M.                                    | Sept. 1903               |
| John C. Hall                        |           | Boston University, S.B.   | Sept. 1908               |
| Charles C. Jones                    |           | Warner, N.H., High School   | Sept. 1911               |
| Harold M. Jones                     |           | Harvard University, A.B.  | April 1912               |
| Lester W. Ladd                      |           | Harvard University, B.A.S.  | Sept. 1910               |
| Edward R. Markham                   |           | Wesleyan Academy. (Courses in<br>Mech. Engineering)               | Sept. 1903               |
| Clarence L. Mosher                  |           | Rindge Manual Training School                                     | Sept. 1910               |
| Joseph M. Norton                    |           | Dartmouth College, A.B.   | Sept. 1899               |
| Otis A. Philbrick                   |           | Mass. Normal Art School   | Sept. 1911               |
| Leverett L. Preble                  |           | (Private Instruction and Shop ex-<br>perience). (Special Courses) | Sept. 1910               |
| Charles H. Richert                  |           | Boston Normal Art School  | Dec. 1905                |
| James G. Telfer                     |           | Common Schools  | June 1889                |
| Albert L. Ware                      |           | Cambridge High School. (Mechan-<br>ical Courses)                  | Aug. 1888                |
| Max Weiss                           |           | Harvard University, S.B.  | Sept. 1910               |
| Marion L. Pike                      | Secretary | Cambridge Latin School  | Sept. 1909               |
| <b>Agassiz School</b>               |           |   |                          |
| Maria L. Baldwin                    | Principal | Cambridge High School. (Courses<br>at Harvard)*                   | Sept. 1882               |
| Agnes L. Tracy                      | 7         | Cambridge High School. (Rad-<br>cliffe College, 3 years)          | Oct. 1904                |
| Catherine G. Kelley                 | 6         | Boston University, A.B.°  | Sept. 1908               |
| Ethel M. MacLeod                    | 5         | Radcliffe College, A.B.°  | Mar. 1906                |
| Frances W. Dawson                   | 4         | Bradford Academy. (Special<br>Courses)                            | Sept. 1902†              |
| Lucy A. Roper                       | 3         | Salem Normal School°  | Sept. 1907               |
| Leah Rose M. Cooper                 | 2         | Kindergarten Training School°                                     | Sept. 1912               |
| Ada M. Litchfield                   | 1         | Boston Normal School°   | May 1891                 |
| Grace C. Stedman                    | 1         | Cambridge High School. Kinder-<br>garten Training School          | May 1896                 |
| <b>Boardman School</b>              |           |   |                          |
| Elizabeth J. Karcher                | Principal | Cambridge High School. (Special<br>Courses)*                      | May 1881                 |
| Blanche M. Gould                    | 3         | Colby Academy, N. H., (Boston<br>University, 2½ years)°           | Oct. 1904                |
| Pauline V. Casey                    | 2         | Framingham Normal School°   | Sept. 1910               |
| Malvina M. Joslin                   | 2         | Northfield, Vt., High School°                                     | May 1891                 |
| Mary C. Ward                        | 2         | Salem Normal School°  | Mar. 1911                |
| Mabel E. Blake                      | 1         | North Andover High School. (Sa-<br>lem Normal, 1 year)            | Jan. 1892                |
| Ruth M. Craig                       | 1         | Kindergarten Normal School°                                       | Sept. 1910               |
| Sybil L. M. Cronin                  | 1         | Salem Normal School°  | Sept. 1912               |
| <b>Corlett School</b>               |           |   |                          |
| Una G. Dawson                       | 2-1       | Danvers Boarding School. (Col-<br>lege Extension Courses)         | Sept. 1912               |

\* Attended the Cambridge Training School.  
° Attended the Wellington Training School.  
† Taught previous to this and resigned.



## TABULAR VIEW—Continued

| Schools and Teachers   | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)           | Date of<br>Appoint-<br>ment |
|------------------------|----------------|--|-----------------------------|
| <b>Cushing School</b>  |                |  |                             |
| Sarah C. McManama      | Prin. 1        | Bridgewater Normal School°   | Sept. 1907                  |
| Louise A. Kelly        | 3-2            | Lowell Normal School°  | Dec. 1911                   |
| <b>Ellis School</b>    |                |  |                             |
| Frank M. Buckley       | Master         | Holy Cross College, A.B. Yale<br>University, A.M. Columbia<br>University | Sept. 1912                  |
| Ernest Libby           | Submaster      | Bridgewater Normal School. (Chi-<br>cago University)                     | Sept. 1906                  |
| Caroline L. Blake      | 8              | Wheaton Seminary. (Special<br>Courses)                                   | Sept. 1894                  |
| Adelaide G. Bunker     | 8              | Bridgewater Normal School  | Nov. 1902                   |
| Charlotte L. Griswold  | 8              | New Britain Normal School  | Sept. 1894                  |
| Louise H. Griswold     | 8              | Terryville High School. (Special<br>Courses)                             | Sept. 1893                  |
| Emma A. Faulkner       | 7              | (Attended Keene, N. H. High<br>School). (Special Courses)                | Oct. 1887                   |
| Mary A. Stephenson     | 7              | Bridgewater Normal School  | Sept. 1898                  |
| Josephine C. Wyman     | 7              | Farmington, Me., Normal School   | April 1903                  |
| Katharine M. Greene    | 6              | Salem Normal School°   | Sept. 1904                  |
| Flora C. Ingraham      | 6              | Providence Normal School   | Oct. 1888                   |
| Katharine L. Dolan     | 5              | Salem Normal School°   | Nov. 1898                   |
| Ellen J. Hunt          | 4              | Salem Normal School. (Special<br>Courses)                                | June 1883                   |
| <b>Felton School</b>   |                |  |                             |
| C. Florence Smith      | Prin. 3        | Boston Normal School. (Harvard<br>Summer School)°                        | Jan. 1888                   |
| Marcia R. Bowman       | 2              | Framingham Normal School°  | Sept. 1895                  |
| Carrie H. Smith        | 2-1            | Cambridge High School*   | Jan. 1875                   |
| Sallie A. Brooks       | 1              | Kindergarten Training School°  | Sept. 1913                  |
| Eleanor M. Stevens†    | 1              | Bangor, Me., Normal School°  | Oct. 1903                   |
| <b>Fletcher School</b> |                |  |                             |
| George B. Colesworthy  | Master         | Bowdoin College, A.B. Harvard<br>University, A.B.                        | Sept. 1903                  |
| Nellie A. Coburn       | Master's Asst. | Lowell High School. (Attended<br>Private Seminary)                       | Sept. 1901                  |
| Mary N. Flewelling     | 8              | Salem Normal School°   | Oct. 1904                   |
| Susan L. Senter        | 7              | Medway High School°  | Sept. 1898                  |
| Jane O. Mosher         | 7              | Boston University, A.B.°   | Sept. 1911                  |
| Emma G. Wentworth      | 6              | Salem Normal School°   | Oct. 1902                   |
| Gertrude M. Webster    | 6              | N. H. Training School. (Attended<br>Normal School)                       | Apr. 1905                   |
| Frances E. Higgins     | 5              | Cambridge High School  | Sept. 1893†                 |
| Mary I. Chapin         | 5-4            | (Attended Indiana Normal<br>School)                                      | Oct. 1904                   |
| Elmira F. Hall         | 4              | Cambridge High School°   | May 1897†                   |
| Gertrude M. Baker      | 3              | Radcliffe College, A.B.°   | Sept. 1905                  |
| Martha B. Perkins      | 3              | Salem Normal School  | Sept. 1904                  |
| Marion Prescott        | 2              | Cambridge English High School°   | Oct. 1898                   |
| Eva A. Taylor          | 2              | Cambridge High School°   | May 1886                    |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† Taught previous to this and resigned.

‡ On leave of absence.

## TABULAR VIEW—Continued

| Schools and Teachers                       | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)     | Date of<br>Appoint-<br>ment |
|--|----------------|--|-----------------------------|
| <b>Fletcher School</b> — <i>Continued</i>  |                |  |                             |
| Mabel A. Gauthier                          | 1              | Salem Normal School°   | Dec. 1907                   |
| Margaret E. Jones                          | 1              | Kindergarten Training School°                                      | Sept. 1913                  |
| Hattie A. Thayer                           | 1              | Boston Normal School°  | Sept. 1896†                 |
| <b>Fresh Air School</b><br>Felton Building |                |  |                             |
| Grace A. Coyle                             | Principal      | Radcliffe College, A.B.  | Sept. 1912                  |
| <b>Gannett School</b>                      |                |  |                             |
| Mary A. Rady                               | Prin. 2        | Normal School and School of Ex-<br>pression. (Special Courses)     | Sept. 1880                  |
| Gertrude T. Sullivan                       | 3              | Salem Normal School°   | Dec. 1902                   |
| Annie M. Billings                          | 2-1            | Cushing Academy. (Attended<br>Quincy Training School)              | May 1893                    |
| Mary A. Maguire                            | 1              | Salem Normal School°   | Sept. 1913                  |
| <b>Gore School</b>                         |                |  |                             |
| Mary E. Mulloney                           | Principal      | Cambridge Training School. (Spe-<br>cial Courses)                  | Sept. 1878                  |
| Catherine L. Dinneen                       | 3              | Salem Normal School°   | Dec. 1908                   |
| Anastasia R. Peters                        | 3              | Newton High School. (Special<br>Courses)°                          | Oct. 1892                   |
| Nora E. Reardon‡                           | 3              | Salem Normal School°   | Sept. 1900                  |
| Margaret F. Dwyer                          | 3              | Kindergarten Training School                                       | Feb. 1914                   |
| Irene C. Delay                             | 2              | Lowell Normal School°  | Sept. 1913                  |
| Katherine L. McElroy                       | 2              | Salem Normal School  | May 1888                    |
| Julia G. McHugh                            | 2              | Salem Normal School°   | Oct. 1894                   |
| Anna E. Callahan                           | 1              | Salem Normal School  | Sept. 1883                  |
| Marguerite F. Doherty                      | 1              | Lowell Normal School°  | Sept. 1913                  |
| Kate A. Hegarty                            | 1              | Coburn, Me., Classical Institute.<br>(Special Courses)             | Sept. 1896                  |
| Frances M. Donovan                         | Ungraded       | Kindergarten Training School°                                      | Nov. 1912                   |
| <b>Harvard School</b>                      |                |  |                             |
| William L. MacGregor                       | Master         | Richmond, N.S., High School. (At-<br>tended Hyannis Normal School) | Sept. 1906                  |
| Katherine L. Carr                          | Master's Asst. | Potsdam, N.Y., Normal School                                       | Nov. 1901                   |
| Estella J. French                          | 8              | Cambridge High School. (Spe-<br>cial Courses)*                     | Sept. 1872                  |
| Hortense O. Young                          | 8              | Fall River High School   | Sept. 1883                  |
| Addie L. Bartlett                          | 7              | Castine, Me., Normal School<br>(Special Courses at Harvard)        | Sept. 1890                  |
| Gertrude P. McCusker                       | 7              | Salem Normal School°   | Sept. 1907                  |
| Lucy E. Sullivan                           | 7              | Framingham Normal School   | Nov. 1909                   |
| Frances Fabyan                             | 6              | Cambridge High School*   | Jan. 1878                   |
| Annie B. Lowell                            | 6              | Portland, Me., Normal School                                       | Apr. 1898                   |
| Elizabeth L. Setchell                      | 6              | Salem Normal School  | Sept. 1888§                 |
| Margaret M. Fearn                          | 5              | Salem Normal School°   | Mar. 1897                   |
| Louise C. Patterson                        | 5              | Northampton High School.<br>(College work at Harvard)              | Dec. 1892                   |
| Katherine F. Smith                         | 5              | Bridgewater Normal School°   | Sept. 1912                  |
| Marguerite L. Harris                       | 4              | Framingham Normal School°  | Apr. 1914                   |
| Carolyn E. MacDonald                       | 4              | Salem Normal School°   | Jan. 1909                   |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† Taught previous to this and resigned.

‡ On leave of absence.

§ Resigned for one year and was reappointed.



## TABULAR VIEW—Continued

| Schools and Teachers       | Grade          | Where Graduated<br>Highest Institution<br>(Also Other Courses)        | Date of Appoint-<br>ment |
|----------------------------|----------------|---|--------------------------|
| <b>Harvard School—Con.</b> |                |   |                          |
| Grace I. Nelligan          | 4              | Salem Normal School°  | Sept. 1911               |
| Julia M. Davis†            | 3              | Baltimore High School. (Mary-<br>land Normal School, 1 year)°         | May 1900                 |
| Annie M. Street            | Special        | Westfield Normal School.<br>(Attended Summer Institute)               | Sept. 1889               |
| Agnes C. Doherty           | Special Class  | Kindergarten Training School°   | Sept. 1913               |
| Honora F. O'Brien          | Special Class  | Gloucester High School. (At-<br>tended Boston Normal School)          | Sept. 1909               |
| <b>Houghton School</b>     |                |   |                          |
| James E. White             | Master         | Bridgewater Normal School. Sloyd<br>School. (Special Courses)         | Jan. 1906                |
| Blanche E. Townsend        | Master's Asst. | Salem Normal School. (Special<br>Courses)                             | Sept. 1900               |
| Winifred L. Kinsley        | 7              | Boston Normal School°   | Sept. 1888†              |
| Margaret J. Penney         | 6              | Cambridge High School. (Special<br>Courses)*                          | April 1882               |
| Mary T. Shea               | 6              | Lowell Normal School°   | Sept. 1912               |
| Hattie Shepherd            | 5              | Cambridge High School. (Special<br>Courses)*                          | Sept. 1882               |
| R. Emily Penney            | 5              | Salem Normal School°  | June 1893                |
| Grace S. Beckwith          | 4              | Westfield Normal School. (Special<br>Courses)°                        | Sept. 1904†              |
| Katharine F. Callahan      | 4              | Salem Normal School°  | Nov. 1903                |
| Mary G. Snow               | 4-3            | Salem Normal School°  | Sept. 1905               |
| Elizabeth A. Tower         | 3              | Cambridge High School*  | Dec. 1870                |
| Jennie E. Brooks           | 2              | Salem Normal School°  | Sept. 1910               |
| Mary F. Fitzgerald         | 2              | Salem Normal School°  | Sept. 1912               |
| Amanda M. Alger            | 1              | Cambridge High School*  | May 1880                 |
| Elizabeth M. Kline         | 1              | Salem Normal School°  | Sept. 1912               |
| Elizabeth D. Pierce        | 1              | Kindergarten Training School°   | Sept. 1913               |
| <b>Kelley School</b>       |                |   |                          |
| H. Warren Foss             | Master         | Colby College, Me., A. B. (Courses<br>at Harvard)                     | Sept. 1904               |
| Francis J. O'Hara          | Submaster      | Boston College, A. B. Boston Nor-<br>mal School                       | Sept. 1912               |
| Catharine A. McLean        | Master's Asst. | Salem Normal School°  | Oct. 1899                |
| Emma J. Houlahan           | 7              | Salem Normal School°  | Sept. 1903               |
| Esther D. Paul             | 7              | Boston University, A.B.°  | Oct. 1899                |
| Ellen A. Kidder            | 6              | (Teachers' Courses and Summer<br>Courses at Harvard)°                 | Oct. 1890                |
| Maude M. Dutton            | 5              | Bridgewater Normal School°  | Oct. 1899                |
| Mary L. Feeny              | 5-4            | Salem Normal School°  | Sept. 1907               |
| Margaret B. McCullough     | 4              | Salem Normal School°  | Sept. 1908               |
| Mary E. Regan              | 3              | Salem Normal School°  | Oct. 1899                |
| Julia M. Horgan            | 3-2            | Salem Normal School°  | Sept. 1908               |
| Ellen T. Carroll           | 2              | Kindergarten Training School°   | Sept. 1907               |
| Elsie H. Cooter            | 2              | Salem Normal School°  | Sept. 1908               |
| Margaret F. Sanderson      | 2              | Salem Normal School°  | Nov. 1900                |
| Olive L. Cook              | 1              | Framingham Normal School.   | April 1905               |
| Eva G. Oakes               | 1              | Warren High School. (Martha's<br>Vineyard Summer School, 5<br>years)° | Oct. 1898                |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† Taught previous to this and resigned.

‡ On leave of absence for study or travel in accordance with the Rules of the School Committee.



## TABULAR VIEW—Continued

| Schools and Teachers       | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)          | Date of Appoint-<br>ment |
|----------------------------|----------------|---|--------------------------|
| <b>Lawrence Hall Annex</b> |                |   |                          |
| Florence Rice              | Principal      | Kindergarten Training School.<br>(Radcliffe College, 2 years)           | Sept. 1899               |
| Katherine C. Hussey        | Assistant      | Kindergarten Training School°   | Nov. 1912                |
| <b>Lowell School</b>       |                |   |                          |
| Eusebia A. Minard†         | Principal      | Truro, N. S., Normal School   | Oct. 1893                |
| Cora B. Poole              | 5-4            | Salem Normal School°  | Feb. 1906                |
| Agnes J. McElroy           | 3-2            | Salem Normal School°  | Dec. 1891                |
| Eleanor B. Rock            | 1              | Kindergarten Training School°   | Apr. 1914                |
| <b>Merrill School</b>      |                |   |                          |
| Louise W. Harris           | Principal      | Cambridge High School. (Special Courses)*                               | Jan. 1876                |
| Katharine Pendergast       | 3              | Warren High School°   | Sept. 1909               |
| Nellie F. Walker           | 3-2            | Kennebunk, Me., High School.<br>(Attended Com. College)                 | Sept. 1899               |
| Henriette E. de Rochemont  | 2              | Portsmouth, N. H., Normal School  | Sept. 1894               |
| Marion B. Magwire          | 1              | Framingham Normal School°   | June 1894                |
| Gertrude S. Thayer         | 1              | Salem Normal School°  | Sept. 1903               |
| <b>Morse School</b>        |                |   |                          |
| Mary A. Townsco            | Master         | Farmington, Me., Normal School.<br>(Summer Courses and private lessons) | April 1882               |
| Mary E. Towle              | Master's Asst. | Westfield Normal School. (Summer Courses and private lessons)           | Feb. 1874                |
| Clintina E. Curtis         | 7              | Plymouth, N. H., Normal School  | Dec. 1907                |
| Ida J. Holmes              | 7              | R. I. Normal School. (Summer School and private lessons)                | Sept. 1895               |
| Florence E. Hunter         | 6              | Castleton, Vt., Normal School.<br>(Summer Schools)                      | Feb. 1900                |
| Anna A. O'Connell          | 6              | Bridgewater Normal School°  | Sept. 1900               |
| Lucy M. Soulee             | 5              | Everett High School   | Sept. 1893               |
| Elizabeth H. Richards      | 5-4            | Robinson Seminary, N. H.°   | Jan. 1899                |
| Alice E. May               | 4              | Bridgewater Normal School   | Oct. 1893                |
| Mary E. Warren             | 3              | Lawrence Academy, Groton. (Hyanis Normal and N. Adams Training Schools) | Jan. 1902                |
| Bertha J. Waldron          | 3              | Susquehanna Collegiate Institute  | Sept. 1904               |
| Elizabeth J. Baldwin       | 2              | Boston Normal School°   | Jan. 1886                |
| Edith M. Carman            | 2              | Salem Normal School°  | Dec. 1904                |
| Christina R. Denyven       | 1              | Bridgewater Normal School. (Special Courses)°                           | Jan. 1888                |
| Grace E. Lally             | 1              | Boston Normal School°   | Jan. 1909                |
| Anna L. P. Collins         | Special        | (Attended Plymouth, N. H., Normal School)                               | Sept. 1893               |
| <b>Parker School</b>       |                |   |                          |
| Mary A. Knowles            | Principal      | Billerica High School. (Special Courses)                                | Sept. 1897               |
| Mattie S. Cutting          | 3              | (Attended Worcester Normal School)                                      | Oct. 1898                |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† On leave of absence.

## TABULAR VIEW—Continued

| Schools and Teachers   | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)               | Date of Appoint-<br>ment |
|------------------------|----------------|--|--------------------------|
| Mary A. O'Callaghan    | 2              | Cambridge English High School.<br>(Attended Salem Normal School)             | Sept. 1913               |
| Agnes Marchant         | 1              | Mt. Holyoke Seminary. Bridge-<br>water Normal School. (Spe-<br>cial Courses) | Oct. 1894                |
| Rose M. O'Toole        | 1              | Fitchburg Normal School. (Post-<br>Graduate Course, 2 years)                 | Jan. 1910                |
| <b>Peabody School</b>  |                |  |                          |
| Harold Lawton          | Master         | Harvard University, A.B.   | Sept. 1912               |
| Anna F. Bellows        | Master's Asst. | Lancaster Academy  | Sept. 1889               |
| Frances F. Curtis      | 8              | Bridgewater Normal School. (Spe-<br>cial Courses)                            | Mar. 1898                |
| Isadore M. Thompson    | 8              | Maine Wesleyan Seminary°   | Sept. 1904               |
| Helen A. Abbott        | 7              | Radcliffe College, A.B.°   | Sept. 1911               |
| Susan C. Allison       | 7              | Cambridge High School. (Attend-<br>ed Boston Normal School)°                 | Sept. 1889               |
| Bernice E. Bartlett    | 6              | Emerson School of Oratory°   | Sept. 1907               |
| Madeleine Wood         | 6              | Radcliffe College, A.B.°   | Sept. 1907               |
| Tina M. King           | 5              | Bridgewater Normal School°   | Sept. 1908               |
| Blanche C. Trefethen   | 5              | Normal Department, Robinson<br>Seminary°                                     | Mar. 1895†               |
| Anna H. Welsh          | 4              | (Attended Wellesley College, 2<br>years)°                                    | Sept. 1901               |
| Susan E. Wyeth         | 3              | Cambridge High School  | Mar. 1869                |
| Mary A. Burke          | 3-2            | Salem Normal School°   | Sept. 1885               |
| Edith F. Pulsford      | 2              | Kindergarten Training School°  | Sept. 1910               |
| Clara A. Goodere       | 1              | Fitchburg Normal School  | Jan. 1910                |
| Minnie H. Ketchum      | 1              | Kindergarten Training School°  | Sept. 1913               |
| <b>Putnam School</b>   |                |  |                          |
| Frederick B. Thompson  | Master         | Teachers' School of Science. Bridge-<br>water Normal School                  | Nov. 1894                |
| Harold B. Blazo        | Submaster      | Harvard University, A.B.   | Sept. 1910               |
| Maude M. Mixer         | Master's Asst. | Teachers' School of Science. Bridge-<br>water Normal School                  | Sept. 1905               |
| Sarah M. Grieves       | 8              | Cambridge High School*   | Oct. 1882                |
| Nellie A. Kerrigan     | 7              | Salem Normal School°   | Oct. 1904                |
| Margaret F. O'Keefe    | 7              | Salem Normal School°   | Sept. 1900               |
| Annie M. R. Sturtevant | 6              | Wellesley College, A.B.°   | Dec. 1907                |
| Martha Chisholm        | 6              | Gloucester Training School. (Spe-<br>cial Courses)                           | Sept. 1906               |
| Jane E. McKearin       | 6              | Wellesley College, A.B.°   | Sept. 1907               |
| Lena L. Ramhofer       | 6              | Salem Normal School°   | Sept. 1912               |
| Frances S. Garaway     | 5              | Framingham Normal School°  | Nov. 1911                |
| Florence A. Hickey     | 5              | Salem Normal School°   | Sept. 1912               |
| Mary A. Carmichael     | 5              | Salem Normal School°   | Feb. 1889                |
| Annie A. Trelegan      | 4              | Salem Normal School.° (Special<br>Courses)                                   | Dec. 1891                |
| <b>Reed School</b>     |                |  |                          |
| Alice G. Dacey         | 2              | Salem Normal School°   | Jan. 1909                |
| Lillian W. Davis‡      | 1              | Maryland Normal School°  | Dec. 1902                |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† Resigned for one year and was reappointed.

‡ On leave of absence for study or travel in accordance with the Rules of the School Committee.



## TABULAR VIEW—Continued

| Schools and Teachers         | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)                           | Date of Appoint-<br>ment |
|------------------------------|----------------|--|--------------------------|
| <b>Reed School—Continued</b> |                |  |                          |
| Rose M. Hill                 | 1              | Kindergarten Training School°  | Sept. 1911               |
| Winifred B. Goodwillie       | Open Air       | Salem Normal School. (Summer Courses)°   | Mar. 1906                |
| <b>Roberts School</b>        |                |  |                          |
| W. Mortimer MacVicar         | Master         | Acadia College, N. S., A.M. (Harvard Graduate School, 2 years)                           | Sept. 1900               |
| Sara A. Bailey               | Master's Asst. | Caledonia Academy, Vt. (Special Courses)   | May, 1884                |
| Caroline M. Williams         | 8              | Cambridge High School*   | Sept. 1880               |
| Anna E. Lally                | 7              | Framingham Normal School   | Nov. 1910                |
| Dora Leadbetter              | 7              | Framingham Normal School.<br>(Courses at Harvard)  | Sept. 1906               |
| Hilda Russell                | 7              | Wellesley College, A.B. Kinder-<br>garter Training School°                               | Sept. 1912               |
| Ida G. Smith†                | 7              | (Attended Private High School)<br>(Special Courses)                                      | Jan. 1875                |
| Agnes E. Corry               | 6              | Lowell Normal School°  | Apr. 1914                |
| Bessie W. C. Fuller          | 6              | Vermont Academy, 2 years. (Hy-<br>annis Normal School, 2 sum-<br>mers)                   | Sept. 1909               |
| Evelyn B. Kenney             | 6              | Maine Normal School  | Nov. 1886                |
| Mary E. Quirk                | 6              | Salem Normal School°   | Feb. 1910                |
| Marjorie H. Lenox†           | 5              | Salem Normal School°   | Sept. 1906               |
| Sarah E. Magurn              | 5              | Framingham Normal School°  | Sept. 1907               |
| Anna E. Dailey               | 5-4            | Salem Normal School°   | Sept. 1910               |
| Mary M. Brigham              | 4              | Winchendon High School.<br>(Special Courses)   | Apr. 1882                |
| Lucy S. Carter               | 4              | Lowell Normal School   | Apr. 1910                |
| Winifred M. D. Nolan         | 4-3            | Lowell Normal School°  | Sept. 1912               |
| Anna M. Walsh                | Ungraded       | Smith College, A.B.°   | Apr. 1914                |
| <b>Russell School</b>        |                |  |                          |
| Arthur C. Wadsworth          | Master         | Harvard Univ., S.B., Wooster Univ.,<br>Ohio., A.M., Ph.D. Bridge-<br>water Normal School | Sept. 1897               |
| Mary S. Bingham              | Master's Asst. | Salem Normal School. (Special<br>work at Radcliffe)                                      | Sept. 1904               |
| Ida J. Mahoney               | 8              | Framingham Normal School°  | April 1903               |
| Fannie P. Browning           | 7              | Fitchburg High School  | Sept. 1880               |
| Marguerite E. Porter         | 7              | Framingham Normal School°  | Oct. 1911                |
| Sara S. Coyne                | 6              | Salem Normal School°   | Feb. 1912                |
| Josephine F. Rowe            | 6              | Salem Normal School°   | Mar. 1909                |
| H. Maud Maclean              | 5              | Univ. of New Brunswick, B.A.°  | Mar. 1896                |
| Annie W. Cooper              | 4              | Salem Normal School°   | Sept. 1911               |
| Claire M. Sullivan           | 4              | Salem Normal School°   | Sept. 1910               |
| Alice V. Connelley           | 3              | Salem Normal School°   | Sept. 1908               |
| Katharine F. Walsh           | 2              | Salem Normal School°   | Sept. 1912               |
| Carrie J. Allison            | 1              | Cambridge High School. (Private<br>School)°  | Sept. 1896               |
| Sigrid B. Aker               | Special        | Kindergarten Training School°  | Apr. 1914                |
| <b>Shepard School</b>        |                |  |                          |
| Anna E. Welch                | Principal      | Salem Normal School°   | Sept. 1904               |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† On leave of absence.



## TABULAR VIEW—Continued

| Schools and Teachers            | Grade         | Where Graduated<br>Highest Institution<br>(Also other Courses)            | Date of<br>Appoint-<br>ment |
|---------------------------------|---------------|---|-----------------------------|
| <b>Shepard School—Continued</b> |               |   |                             |
| Alice M. Gage                   | 7             | High School. (Mt. Holyoke College, 2 years)                               | Mar. 1899                   |
| Mary F. Calnane                 | 6             | Salem Normal School   | Dec. 1896                   |
| Florence M. Dudley              | 6             | Salem Normal School°  | Dec. 1897                   |
| Agnes K. Geary                  | 5             | Salem Normal School°  | Jan. 1909                   |
| Theresa H. Mahoney              | 5             | Framingham Normal School°   | Sept. 1898                  |
| Anna G. Scannell                | 5             | Salem Normal School   | Sept. 1905                  |
| Marion Beane                    | 4             | Mt. Holyoke College, A.B.   | Jan. 1911                   |
| Nettie I. Haff†                 | 4             | Salem Normal School°  | Sept. 1906                  |
| Elizabeth J. O'Keefe            | 4             | Kindergarten Training School°   | Oct. 1905                   |
| Florence T. Hogan               | 3             | Lowell Normal School°   | Sept. 1913                  |
| Ellen T. O'Keefe                | 3             | Boston Normal School°   | Sept. 1903                  |
| Lillian M. Cuddy                | Special Class | Salem Normal School°  | Dec. 1904                   |
| <b>Sleeper School</b>           |               |   |                             |
| Elizabeth G. Nelligan           | Principal     | (Attended Salem Normal School)°   | Dec. 1899                   |
| Mary A. Macklin                 | 5             | Salem Normal School°  | Dec. 1902                   |
| Melissa M. Lloyd                | 4             | Charlestown High School. (Special Courses)                                | Sept. 1893‡                 |
| Evelyn M. Dormer                | 3             | Salem Normal School°  | Dec. 1897                   |
| Butella E. L. Conland           | 2             | Randolph, Vt., Normal School  | Dec. 1898                   |
| Catherine M. Doran†             | 2             | Salem Normal School°  | Sept. 1904                  |
| Clara W. Ruggli                 | 2             | Bridgewater Normal School. (Special College Course)°                      | Sept. 1900                  |
| Mary R. Harrington              | 1             | Salem Normal School°  | Oct. 1910                   |
| Katherine A. Mahoney            | 1.            | Salem Normal School°  | Sept. 1913                  |
| <b>Tarbell School</b>           |               |   |                             |
| Carrie P. Pierce                | Prin. 2       | Gloucester High School. (Salem Normal School, 1 year). (Special Courses)° | Oct. 1890                   |
| Helene M. Seils                 | 3             | Salem Normal School°  | Sept. 1909                  |
| Millie A. Isaac                 | 2             | Salem Normal School°  | Sept. 1909                  |
| Anna F. Moran                   | 1             | Kindergarten Training School°   | Sept. 1911                  |
| Lillian M. Tynes                | 1             | Salem Normal School°  | Sept. 1913                  |
| <b>Taylor School</b>            |               |   |                             |
| Mary A. Boland                  | Principal     | Salem Normal School. (Special Courses)°                                   | Jan. 1898                   |
| Emma M. Goodwin                 | 5             | Farmington, Me., Normal School  | Feb. 1910                   |
| Mary L. Lincoln                 | 4             | Bridgewater Normal School   | Oct. 1912                   |
| Marietta A. McNamara            | 3             | Cambridge High School. (Attended Salem Normal School)                     | Nov. 1912                   |
| Gertrude A. Murphy              | 3             | Salem Normal School°  | Sept. 1912                  |
| Alice W. Gaughan                | 2             | Salem Normal School°  | Mar. 1911                   |
| Rosa M. Kelley                  | 2             | Kindergarten Training School°   | Sept. 1913                  |
| Emily M. Dowd                   | 1             | Lowell Normal School°   | Nov. 1905                   |
| Annie A. Rea                    | 1             | Castine, Me., Normal School   | Sept. 1909                  |
| Beatrice Kelley                 | Special Class | Kindergarten Training School°   | Sept. 1913                  |
| Mary A. O'Toole                 | Special Class | Lowell Normal School°   | Dec. 1912‡                  |
| <b>Thorndike School</b>         |               |   |                             |
| James Dugan                     | Master        | Amherst College, A.B.   | Jan. 1910                   |

° Attended the Wellington Training School.

† On leave of absence.

‡ Taught previous to this and resigned.

## TABULAR VIEW—Continued

| Schools and Teachers           | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)                          | Date of Appoint-<br>ment |
|--------------------------------|----------------|---|--------------------------|
| <b>Thorndike School—Cont'd</b> |                |   |                          |
| Harriet A. Townsend            | Master's Asst. | Framingham Normal School. (Special Courses)   | Sept. 1887               |
| Eleanor E. O'Brien             | 8              | Salem Normal School°  | Sept. 1909               |
| Ellen M. Plympton              | 7              | Salem Normal School   | Sept. 1898†              |
| Mable A. Short                 | 7              | Smith College, A.B. (Special Courses)°  | Dec. 1904                |
| Laura S. Westcott              | 7              | Boston Normal School. (Special Courses)   | Sept. 1884               |
| Mary E. Bousquet               | 6              | Salem Normal School°  | Sept. 1909               |
| Margaret M. Carroll            | 5              | Salem Normal School°  | Sept. 1911               |
| Grace W. Fletcher              | 5              | Cambridge High School*  | Feb. 1874                |
| Gertrude R. O'Hara             | 5-4            | Salem Normal School°  | Oct. 1910                |
| Luella M. Marsh                | 4              | Cambridge High School*  | Feb. 1884                |
| Minnie A. Doran                | 4-3            | Salem Normal School. (Special Courses)°   | Sept. 1895               |
| Catherine M. Herlihy           | 4-3            | Salem Normal School°  | Sept. 1913               |
| Gertrude H. Glavin             | 3              | Bridgewater Normal School   | Nov. 1909                |
| Julia S. Lewis                 | 3-2            | Framingham Normal School°   | Nov. 1909                |
| Anna N. Sullivan               | 2              | Boston Normal School°   | Mar. 1901                |
| Julia A. Walsh                 | 2              | Salem Normal School°  | Sept. 1910               |
| Elizabeth B. Gahm              | 2-1            | Cambridge High School.<br>(Special Courses)*  | Sept. 1882               |
| Frances Allen                  | 1              | Cambridge High School*  | Jan. 1873                |
| Jennie L. Powell               | 1              | Salem Normal School°  | Sept. 1911               |
| Lillian H. Kenney              | Open Air       | Salem Normal School°  | Mar. 1901                |
| <b>Webster School</b>          |                |   |                          |
| John D. Billings               | Master         | Bridgewater Normal School. Boston Sloyd Training School. Tufts College, A.M. (Honorary) | Sept. 1872               |
| John H. Graham                 | Submaster      | Bridgewater Normal School. (Extension Courses at Boston University)                     | June 1913                |
| Alice C. Phinney               | Master's Asst. | (Attended Bridgewater Normal School)  | Oct. 1881                |
| Martha N. Hanson               | 8              | (Attended N. H. Normal School)  | Mar. 1890                |
| Charlotte M. Chase             | 8              | Cambridge Training School. (Special Courses)  | Sept. 1873               |
| Josephine Hills                | 7              | Framingham Normal School  | Sept. 1893               |
| Mary E. Murray                 | 7              | Cambridge Latin School. (Radcliffe College, 1 year)                                     | Sept. 1908               |
| Harriette E. Shepard           | 7              | Salem Normal School. (Special Courses)°   | Oct. 1890                |
| Olive L. Slater                | 7              | Westfield Normal School   | Sept. 1899               |
| Gertrude B. Duffy              | 7-6            | Salem Normal School. (Special Courses at Harvard and Simmons)                           | Apr. 1902                |
| Mabel T. Ashley                | 6              | Framingham Normal School  | Sept. 1896               |
| Grace E. Knight                | 6              | Wellesley College, A.B.°  | Apr. 1914                |
| Nora P. Nason                  | 6              | Gorham, Me., Normal School. (Special Courses)   | Dec. 1906                |
| Minnie V. Reid                 | 6              | Boston Normal School°   | Sept. 1888               |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† Taught previous to this and resigned.



## TABULAR VIEW—Continued

| Schools and Teachers         | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses) | Date of<br>Appoint-<br>ment |
|------------------------------|----------------|--|-----------------------------|
| <b>Webster School—Cont'd</b> |                |  |                             |
| Edna M. Smith                | 6              | Salem Normal School°   | Nov. 1910                   |
| Honora A. Connell            | 6-5            | Salem Normal School°   | Sept. 1910                  |
| Gertrude E. Corry            | 5              | Lowell Normal School°  | Jan. 1912                   |
| Alice M. Doyle               | 5              | Radcliffe College, A.B.°                                       | Dec. 1912                   |
| Fanny M. Field               | 5              | Bridgewater Normal School                                      | Sept. 1909                  |
| Frances T. Halcy             | 5              | Bridgewater Normal School°                                     | Sept. 1910                  |
| Gertrude I. Johnson          | 5              | Worcester Normal School  | Sept. 1901                  |
| Marion L. Smith              | 5-4            | Lowell Normal School°  | Sept. 1912                  |
| Louise Wingate               | 4              | North Adams Normal School°                                     | Sept. 1912                  |
| Mary H. Manning              | 4              | Salem Normal School°   | Sept. 1913                  |
| Eleanor S. O'Connor          | 4              | Salem Normal School°   | Sept. 1912                  |
| Lillian G. Rose              | 3              | Lowell Normal School. School of<br>Expression                  | Sept. 1912                  |
| Ada A. Billings              | Special        | Bridgewater Normal School                                      | Sept. 1889                  |
| <b>Wellington School</b>     |                |  |                             |
| Herbert H. Bates             | Master         | Westfield Normal School.<br>(Special Courses)                  | Oct. 1883                   |
| Mary I. Vinton               | Supervisor     | Salem Normal School.<br>(Special Courses)                      | Mar. 1881                   |
| Margaret Kidd                | Supervisor     | Cambridge High School.*<br>(Special Courses)                   | Sept. 1880                  |
| Carrie H. Stevens            | Master's Asst. | Farmington, Me., Normal School.<br>(Special Courses)           | Nov. 1894                   |
| Grace F. Chamberlain†        | 8              | Framingham Normal School.<br>(Teachers' School of Science)     | Apr. 1903                   |
| Nina L. Kendall              | 8              | Randolph, Vt., Normal School                                   | Sept. 1909                  |
| Ellen L. Welch               | 7              | Mt. Holyoke College, A.B.°                                     | Sept. 1911                  |
| Alice M. Chamberlain         | 7              | Salem Normal School°   | Sept. 1913                  |
| Mary E. Flahaven             | 7              | Lowell Normal School°  | Sept. 1913                  |
| Josephine E. Furfey          | 7              | Salem Normal School°   | Sept. 1913                  |
| Mildred F. Reinhalter        | 7              | Bridgewater Normal School°                                     | Apr. 1914                   |
| Ellen A. Sullivan            | Clerk          | Salem Normal School°   | Sept. 1905                  |
| Pauline D. Berthold          | Substitute     | Gorham, Me., Normal School°                                    |                             |
| Mary Rosalie Collins         | Substitute     | Lowell Normal School°  |                             |
| Julia M. Delay               | Substitute     | Framingham Normal School°                                      |                             |
| Helena O'Loughlin            | Substitute     | Lowell Normal School°  |                             |
| Marguerite M. O'Callaghan    | Substitute     | Radcliffe College, A.B.°                                       |                             |
| Edwina P. Quincy             | Substitute     | Kindergarten Training School°                                  |                             |
| Rose C. Smith                | Substitute     | Salem Normal School°   |                             |
| Winifred A. Waters           | Substitute     | Boston University, A.B.  |                             |
| Training Class               |                |  |                             |
| <b>Willard School</b>        |                |  |                             |
| Katharine E. Hayes           | Principal      | Framingham Normal School.<br>(Special Courses)                 | Sept. 1902                  |
| Lucy F. Cline                | 3              | Kindergarten Training School°                                  | Oct. 1910                   |
| Eliza D. Watson              | 3              | High School. (Course at Boston<br>University)                  | Sept. 1888‡                 |
| Mary E. G. Harrington        | 3-2            | Cambridge High School*   | Apr. 1881                   |
| Elizabeth M. Crowley         | 2              | Salem Normal School°   | Dec. 1901                   |
| Mary A. Flynn                | 2              | Framingham Normal School                                       | Feb. 1910                   |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† On leave of absence for study or travel in accordance with the Rules of the School Committee.

‡ Taught previous to this and resigned.



## TABULAR VIEW—Continued

| Schools and Teachers         | Grade          | Where Graduated<br>Highest Institution<br>(Also other Courses)             | Date of Appoint-<br>ment |
|------------------------------|----------------|--|--------------------------|
| <b>Willard School—Cont'd</b> |                |  |                          |
| Annie M. Sands               | 2              | Bridgewater Normal School°   | Nov. 1905                |
| Agalena Aldrich              | 1              | Cushing Academy. (Wellesley College, 2 years)°                             | Sept. 1901               |
| Evelyn S. Crowell            | 1              | Kindergarten Training School°  | Sept. 1912               |
| Ella F. Gulliver             | 1              | Eastern Normal School, Me.   | Apr. 1886                |
| Gertrude A. Harlin†          | 1              | Salem Normal School°   | Sept. 1912               |
| Katherine A. Powers          | 1              | Framingham Normal School   | Apr. 1914                |
| Caroline A. Sullivan         | 1              | Kindergarten Training School°  | Nov. 1912                |
| Grace R. Woodward            | 1              | Cambridge High School*   | Oct. 1874                |
| <b>Wyman School</b>          |                |  |                          |
| Margaret T. Burke            | Principal      | Salem Normal School. (Special Courses)°                                    | May 1886                 |
| Harriet R. Harrington        | 2              | St. Johnsbury Academy. (Special Courses)°                                  | Sept. 1897               |
| Agnes L. Moran               | 2              | Salem Normal School°   | Sept. 1909               |
| Mary H. Brooks               | 1              | Bridgewater Normal School°   | Sept. 1898               |
| Genevieve S. Flint           | 1              | Dean Academy. Worcester Normal School°                                     | Nov. 1892                |
| Jennie B. Ross               | 1              | Salem Normal School°   | Sept. 1903               |
| <b>Trade School</b>          |                |  |                          |
| Maude A. Deehan              | Principal      | Portland, Me., Normal School. (Special Courses in Drafting, Cooking, etc.) | Dec. 1893                |
| Katharine A. Burke           | Sewing         | (Special Courses)  | Oct. 1907                |
| Anna C. Coleman              | Sewing         | (Six years in dressmaking establishment)                                   | Sept. 1913               |
| Nina G. Moore                | Cooking        | Pratt Institute, Brooklyn, N.Y.  | Mar. 1913                |
| Helen F. Morton              | Household Arts | Massachusetts Normal Art School  | Apr. 1914                |
| Mary J. Smith                | Millinery      | (Special Courses)  | Nov. 1912                |
| Minnie F. Wilson†            | Sewing         | Salem Normal School. (Special Courses)°                                    | May 1900                 |
| <b>KINDERGARTENS</b>         |                |  |                          |
| <b>Boardman</b>              |                |  |                          |
| Annie L. Crane               | Head Kind.     | Kindergarten Training School   | Dec. 1904                |
| Dorothea Cutler              | Assistant      | Kindergarten Training School°  | Sept. 1909               |
| <b>Corlett</b>               |                |  |                          |
| Carita B. Dickson            | Head Kind.     | Kindergarten Training School   | April 1907               |
| <b>Gannett</b>               |                |  |                          |
| Carrie E. Shepherd           | Head Kind.     | Kindergarten Training School. (Special Courses)                            | Sept. 1897               |
| <b>Gore</b>                  |                |  |                          |
| Selma E. Berthold            | Head Kind.     | Kindergarten Training School   | Sept. 1889               |
| Lillian A. McCarthy          | Assistant      | Kindergarten Training School°  | Sept. 1913               |
| <b>Houghton</b>              |                |  |                          |
| Marion L. Akerman            | Head Kind.     | Kindergarten Training School   | April 1900               |
| Ruth L. Pike                 | Assistant      | Kindergarten Training School°  | Sept. 1909               |

\* Attended the Cambridge Training School.

° Attended the Wellington Training School.

† On leave of absence.

## TABULAR VIEW—Continued

| Schools and Teachers                   | Grade      | Where Graduated<br>Highest Institution<br>(Also other Courses)                     | Date of Appoint-<br>ment |
|--|------------|--|--------------------------|
| <b>KINDERGARTENS—Continued</b>         |            |  |                          |
| <b>Lowell</b><br>Melinda Gates         | Head Kind. | Kindergarten Training School.<br>(Berlitz School)                                  | Sept. 1889               |
| <b>Merrill</b><br>Caroline A. Leighton | Head Kind. | Kindergarten Training School.<br>(Special Courses)                                 | Sept. 1896               |
| Gertrude L. Bunton                     | Assistant  | Kindergarten Training School°  | Oct. 1910                |
| <b>Parker</b><br>Anna D. Francis       | Head Kind. | Kindergarten Training School°  | Jan. 1906                |
| <b>Peabody</b><br>Irene L. Phelps      | Head Kind. | Kindergarten Training School°  | April 1904               |
| Mary S. Dempsey                        | Assistant  | Kindergarten Training School°  | Sept. 1912               |
| <b>Shaw</b><br>Harriette E. Ryan       | Head Kind. | Kindergarten Training School.<br>(Post-graduate Courses)                           | Sept. 1889               |
| Louise M. Clark                        | Assistant  | Kindergarten Training School°  | Sept. 1910               |
| <b>Sleeper</b><br>Mabel S. Adams       | Head Kind. | Kindergarten Training School   | Oct. 1893                |
| Ethel M. S. Smith                      | Assistant  | Kindergarten Training School°  | Sept. 1911               |
| <b>Taylor</b><br>Mary F. Leland        | Head Kind. | Kindergarten Training School   | Mar. 1896                |
| Helen F. Dogherty                      | Assistant  | Kindergarten Training School°  | Sept. 1911               |
| <b>Webster</b><br>Jennie S. Clough     | Head Kind. | Kindergarten Training School   | Sept. 1897               |
| Helen N. Hicks                         | Assistant  | Kindergarten Training School°  | Sept. 1910               |
| <b>Wellington</b><br>Gertrude M. Gove  | Head Kind. | Kindergarten Training School   | May 1893                 |
| Lillian S. Boothe                      | Assistant  | Kindergarten Training School°  | Sept. 1912†              |
| <b>Willard</b><br>Alice V. McIntire    | Head Kind. | Kindergarten Training School.<br>(Special Courses)°                                | Sept. 1897               |
| Mary A. McMahan                        | Assistant  | Kindergarten Training School   | Oct. 1911                |
| <b>Wyman</b><br>Clara A. Hall          | Head Kind. | Kindergarten Training School.<br>(Special Courses)                                 | May 1892                 |
| E. Frances Hawes                       | Assistant  | Kindergarten Training School°  | Sept. 1911               |
| <b>Music</b><br>John B. Whoriskey      | Director   | (Special Courses in vocal and in-<br>strumental music)                             | Feb. 1911                |
| Mabel T. Hackett                       | Assistant  | Worcester Normal School. (Special<br>Courses in vocal and instru-<br>mental music) | Sept. 1912               |

° Attended the Wellington Training School.

† Taught previous to this and resigned.

TABULAR VIEW—Continued

| Schools and Teachers  | Grade       | Where Graduated<br>Highest Institution<br>(Also other Courses) | Date of<br>Appoint-<br>ment |
|---|-------------|--|-----------------------------|
| <b>Drawing</b><br>Peter Roos  | Director    | (Courses in Sweden and in the Bos-<br>ton Normal Art School)   | Oct. 1896                   |
| Lucia N. Jennison   | Assistant   | Worcester Normal School. Boston<br>Normal Art School           | Dec. 1893                   |
| <b>Manual Training and<br/>Pre-Vocational Classes</b><br>Edgar R. Breed | Ele. Grades | Mass. Normal Art School  | Nov. 1912                   |
| Emma F. Cutter  | Ele. Grades | Boston Sloyd Training School                                   | Mar. 1914                   |
| Frank P. Kelley   | Ele. Grades | Mass. Normal Art School  | Mar. 1913                   |
| John E. Howard  | Ele. Grades | Sloyd Training School. Law School                              | Sept. 1911                  |

Teachers of Sewing ..... Agnes Gordon, Director  
Edith T. Bates  
Maude E. Delorme  
Alice H. Nay

Superintendent of Schools ..... MICHAEL E. FITZGERALD  
Assistant Superintendent of Schools ..... JOHN J. MAHONEY  
Supervisor of Primary Schools ..... MARY A. LEWIS  
Agent ..... CONSTANTINE J. CHURCH  
Secretary of the School Committee ..... JOHN J. MAHONEY

Clerks ..... Daniel J. Lynch  
Althea B. Frost  
Mary A. L. Forrest  
Telephone Operator ..... Helen C. Butler  
Attendance Officers ..... Lucian S. Cabot  
William F. Donovan  
William H. Porter  
James H. Shuckrowe  
John J. Sullivan  
Edward J. Walsh  
Porter ..... John H. Lemon



## TABULAR VIEW—Concluded

## PENSIONED TEACHERS AND OFFICIALS

|   |                       |
|---|-----------------------|
| Agent .....                             | Sanford B. Hubbard    |
| Master Emeritus, Latin School .....     | William F. Bradbury   |
| Master Emeritus, Ellis School .....     | Edward O. Grover      |
| Master Emeritus, Thorndike School ..... | Ruel H. Fletcher      |
| Teachers, High School .....             | Emma A. Scudder       |
| “ Elementary Schools .....              | Ella R. Avery         |
| “ “ “ .....                             | Addie M. Bettinson    |
| “ “ “ .....                             | Mary P. Blair         |
| “ “ “ .....                             | Sally N. Chamberlain  |
| “ “ “ .....                             | Ellen A. Cheney       |
| “ “ “ .....                             | Josephine M. Doherty  |
| “ “ “ .....                             | Mary A. Driscoll      |
| “ “ “ .....                             | Georgianna P. Dutcher |
| “ “ “ .....                             | M. Elizabeth Evans    |
| “ “ “ .....                             | Charlotte A. Ewell    |
| “ “ “ .....                             | Mary M. Gilman        |
| “ “ “ .....                             | Sarah J. Gunnison     |
| “ “ “ .....                             | Nellie A. Hutchins    |
| “ “ “ .....                             | Annie B. Josselyn     |
| “ “ “ .....                             | Ellen M. Leighton     |
| “ “ “ .....                             | Evelyn J. Locke       |
| “ “ “ .....                             | Elisa S. Paddack      |
| “ “ “ .....                             | Frances E. Pendexter  |
| “ “ “ .....                             | Emily R. Pitkin       |
| “ “ “ .....                             | Julia A. Robinson     |
| “ “ “ .....                             | Mary E. Sawyer        |
| “ “ “ .....                             | Abby S. Taylor        |
| “ “ “ .....                             | Lydia A. Whitcher     |

## SALARY SCHEDULE OF TEACHERS AND SCHOOL OFFICERS

## CAMBRIDGE HIGH AND LATIN SCHOOL

|                                   | Minimum | Increase<br>Per Year | No. of<br>Years | Maximum |
|-----------------------------------|---------|----------------------|-----------------|---------|
| Head Master .....                 | \$2,520 | \$120                | 6               | \$3,240 |
| Masters .....                     | 2,040   | 120                  | 2               | 2,280   |
| Heads of Departments—male .....   | 1,800   | 120                  | 2               | 2,040   |
| Instructors .....                 | 1,200   | 120                  | 5               | 1,800   |
| Heads of Departments—female ..... | 1,020   | 120                  | 3               | 1,380   |
| Teachers.....                     | 840     | 60                   | 7               | 1,260   |

## RINDGE TECHNICAL SCHOOL

|                       |         |       |   |         |
|-----------------------|---------|-------|---|---------|
| Head Master .....     | \$2,520 | \$120 | 6 | \$3,240 |
| Instructors .....     | 1,440   | 120   | 3 | 1,800   |
| Teachers—male .....   | 1,020   | 120   | 4 | 1,500   |
| Teachers—female ..... | 840     | 60    | 7 | 1,260   |

## TRADE SCHOOL

|                            |         |       |   |         |
|----------------------------|---------|-------|---|---------|
| Principal .....            | \$1,020 | \$120 | 3 | \$1,380 |
| Heads of Departments ..... | 888     | 60    | 3 | 1,068   |
| Teachers.....              | 828     | 60    | 3 | 1,008   |

## WELLINGTON TRAINING SCHOOL

|                             |         |       |   |         |
|-----------------------------|---------|-------|---|---------|
| Master .....                | \$2,400 | \$120 | 5 | \$3,000 |
| Supervisors .....           | 960     | 60    | 5 | 1,260   |
| Master's Assistant .....    | 840     | 60    | 5 | 1,140   |
| Assistants, 8th Grade ..... | 768     | 60    | 5 | 1,068   |
| Assistants, 7th Grade ..... | 708     | 60    | 5 | 1,008   |

## ELEMENTARY SCHOOLS

|                                  |         |       |   |         |
|----------------------------------|---------|-------|---|---------|
| Masters .....                    | \$2,040 | \$120 | 5 | \$2,640 |
| Submasters—Grammar Schools ..... | 1,200   | 120   | 5 | 1,800   |
| Masters' Assistants .....        | 840     | 60    | 5 | 1,140   |
| Principals—9 rooms or more ..... | 960     | 60    | 6 | 1,320   |
| Principals—8 rooms or less ..... | 768     | 60    | 6 | 1,128   |
| Teachers of 8th Grade .....      | 768     | 60    | 5 | 1,068   |
| Teachers.....                    | 588     | 60    | 7 | 1,008   |

## KINDERGARTENS

|                 |       |    |   |       |
|-----------------|-------|----|---|-------|
| Teachers.....   | \$576 | 60 | 7 | \$996 |
| Assistants..... | 504   | 60 | 6 | 864   |

## MUSIC

|                 |         |      |   |         |
|-----------------|---------|------|---|---------|
| Director .....  | \$1,920 | \$60 | 5 | \$2,220 |
| Assistant ..... | 708     | 60   | 6 | 1,068   |

## DRAWING

|                 |         |      |   |         |
|-----------------|---------|------|---|---------|
| Director .....  | \$1,920 | \$60 | 5 | \$2,220 |
| Assistant ..... | 708     | 60   | 6 | 1,068   |

SUMMARY SCHEDULE OF TEACHERS AND SCHOOL OFFICERS—Concluded

SEWING

|                | Minimum | Increase<br>Per Year | No. of<br>Years | Maximum |
|----------------|---------|----------------------|-----------------|---------|
| Director ..... | \$756   | \$60                 | 5               | \$1,056 |
| Teachers.....  | 576     | 60                   | 7               | 996     |

MANUAL TRAINING

|               |       |      |   |         |
|---------------|-------|------|---|---------|
| Teachers..... | \$840 | \$60 | 7 | \$1,260 |
|---------------|-------|------|---|---------|

SECRETARIES AND LIBRARIANS

|            |       |      |   |       |
|------------|-------|------|---|-------|
| Each ..... | \$600 | \$24 | 5 | \$720 |
|------------|-------|------|---|-------|

ATTENDANCE OFFICERS

|            |       |       |   |         |
|------------|-------|-------|---|---------|
| Each ..... | \$900 | \$100 | 2 | \$1,100 |
|------------|-------|-------|---|---------|

OFFICERS

|   |         |
|---|---------|
| Superintendent of Schools.....                        | \$5,000 |
| Assistant Superintendent and Secretary.....           | 3,000   |
| Supervisor of Primary Schools and Kindergartens ..... | 1,350   |
| Agent .....   | 1,500   |

SUBSTITUTES

The pay of a substitute teacher in a high school, who is employed temporarily, is \$2.50 a day; if employed one month or more, it is at the rate of \$500, \$600 or \$700 a year, the rate to be determined by the superintendent, who shall consider the experience of the teacher and the position to be filled in fixing the sum.

The pay of a teacher who is employed temporarily as a substitute in a grammar school, a primary school or a kindergarten, is \$1.00 a session; if employed one month or more, it is at the rate of \$510 a year.

EVENING SCHOOLS

|                                 |                   |        |
|---------------------------------|-------------------|--------|
| Principal of High School        | per evening ..... | \$4.00 |
| Principal of Elementary Schools | " " .....         | 3.00   |
| Teachers in Drawing Schools     | " " .....         | 3.00   |
| Teachers in High School         | " " .....         | 2.00   |
| Teachers in Elementary Schools  | " " .....         | 1.50   |



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# In Memoriam

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FRANCIS COGSWELL

1827-1914

Mr. Francis Cogswell died at his home in this city on March 3, 1914. He was in his eighty-seventh year.

He had served the city of Cambridge for fifty-one years—as principal of the Putnam Grammar School from 1854 to 1874 and as superintendent of schools from 1874 to 1905.

He was born in Atkinson, N. H., June 24, 1827, son of Joseph B. and Judith P. Cogswell. He was educated at the Atkinson Academy and at Kimball Union Academy, N. H., and taught school in Merrimac, Georgetown and Weymouth before coming to Cambridge.

In Cambridge, Mr. Cogswell's work as a principal soon attracted favorable attention. He was an able teacher—ingenious, resourceful and progressive in methods and successful in discipline.

His standing as superintendent is attested by his thirty-one years of service. Towards his teachers he was always sympathetic and just. He gave conscientious attention to details and was patient and steadfast. He won the constant and hearty support of the School Board and during his long administration the schools of Cambridge attained and held their well-merited reputation for excellence.

Harvard College honored Mr. Cogswell with the degree of A. M. in 1881.

He tendered his resignation in April, 1904, but at the unanimous request of the School Board, he consented to another year's service. On the 27th of June the citizens of Cambridge tendered a reception and testimonial to Mr. Cogswell as the expression of their appreciation of his services to their city. A beautiful hall clock was presented to Mr. Cogswell, and an oil portrait of the loved superintendent was presented to the city and now hangs in City Hall. At Mr. Cogswell's request, the remainder of the fund obtained was used for the purchase of pictures, one for each school in the city.

Mr. Cogswell was a man of firm religious convictions and deep spiritual life. He was a devoted member of the Congregational Church, and from early manhood until over eighty years of age he took an active part in church work.

This good and useful man has now passed on into higher service in the life towards which he looked forward with great assurance, but his influence continues in the hearts of the many he served, who will hold him ever in grateful remembrance.

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## In Memoriam

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KATHERINE M. LOWELL

Teacher in the Cambridge Schools

1868-1912

On the Unassigned List

1912-1914

Died February 21, 1914

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ELLEN P. HULING

Teacher in the Cambridge High and Latin School

1904-1914

Died April 25, 1914

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